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OM nucleic - nucleic search, using sw model

Run on: January 7, 2006, 20:50:54 ; Search time 519.149 Seconds
(without alignments)
10093.927 Million cell updates/sec

Title: US-09-846-512-1
Perfect score: 2948
Sequence: 1 aagagtgcatactgcctcc.....tccccctgaamctraaamya 2948

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/ptodata/1/ina/1 COMB.seq: *
2: /cgn2_6/ptodata/1/ina/5 COMB.seq: *
3: /cgn2_6/ptodata/1/ina/6A COMB.seq: *
4: /cgn2_6/ptodata/1/ina/6B COMB.seq: *
5: /cgn2_6/ptodata/1/ina/H COMB.seq: *
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7: /cgn2_6/ptodata/1/ina/PP COMB.seq: *
8: /cgn2_6/ptodata/1/ina/RE COMB.seq: *
9: /cgn2_6/ptodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2418.8	82.0	2440	US-09-949-016-5210	Sequence 5210, Ap
2	2418.8	82.0	2440	US-09-949-016-5211	Sequence 5211, Ap
3	2418.8	82.0	2440	US-09-949-016-5212	Sequence 5212, Ap
4	2346	79.6	2412	US-09-999-833A-68	Sequence 68, Appl
5	2346	79.6	2412	US-10-020-445A-68	Sequence 68, Appl
6	2337.2	79.3	2413	US-09-518-046-1	Sequence 1, Appl
7	2337.2	79.3	2413	US-09-650-371-1	Sequence 1, Appl
8	2311	78.4	2416	US-09-261-416-1	Sequence 3, Appl
9	2196.2	74.5	2544	US-09-518-046-3	Sequence 3, Appl
10	2196.2	74.5	2544	US-09-650-371-3	Sequence 3, Appl
11	893.2	30.3	28203	US-09-949-016-16952	Sequence 16952, A
12	893.2	30.3	28203	US-09-949-016-16953	Sequence 16953, A
13	893.2	30.3	28203	US-09-949-016-16954	Sequence 16954, A
C 14	597.2	20.3	601	US-09-949-016-181324	Sequence 181324, A
C 15	597.2	20.3	601	US-09-949-016-181361	Sequence 181361, A
C 16	597.2	20.3	601	US-09-949-016-181398	Sequence 181398, A
C 17	397.8	13.5	601	US-09-949-016-181325	Sequence 181325, A
C 18	397.8	13.5	601	US-09-949-016-181362	Sequence 181362, A
C 19	397.8	13.5	601	US-09-949-016-181399	Sequence 181399, A
C 20	383.8	13.0	492	US-09-280-116-66	Sequence 66, Appl
C 21	322.2	10.9	601	US-09-949-016-181323	Sequence 181323, A
C 22	322.2	10.9	601	US-09-949-016-181360	Sequence 181360, A
C 23	322.2	10.9	601	US-09-949-016-181397	Sequence 181397, A
C 24	245.4	8.3	72504	US-09-949-016-14855	Sequence 14855, A

ALIGNMENTS

RESULT 1

US-09-949-016-5210
; Sequence 5210, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5210
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5210

Query Match	82.0%	Score	2418.8	DB	3	Length	2440
Best Local Similarity	99.7%	Pred. No.	0				
Matches	2433	Conservative	1	Mismatches	3	Indels	3
Gaps	1						
QY	427	ACCGGGCACCGACGGCTCGGGTACTTTCGTTCTTAATTAGGTCTATGCCCGTATGAGCCA	486				
DB	1	ACCGGGCACCGACGGCTCGGGTACTTTCGTTCTTAATTAGGTCTATGCCCGTATGAGCCA	60				
QY	487	GGAAAGGGCTGTGTTTATGGGAAGCCAGTAAACACTGTGGCCCTATCTCTTCCTGGTGGTG	546				
DB	61	GGAAAGGGCTGTGTTTATGGGAAGCCAGTAAACACTGTGGCCCTATCTCTTCCTGGTGGTG	120				
QY	547	CCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGAGCGGCGGATGTC	606				
DB	121	CCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGAGCGGCGGATGTC	180				
QY	607	ACAGGTCTGGAATAGTACACCATGGGGAAATGATCCCGCTGCTGTGAAGCCCTTC	666				
DB	181	ACAGGTCTGGAATAGTACACCATGGGGAAATGATCCCGCTGCTGTGAAGCCCTTC	240				
QY	667	TCATTCCGATCGCTTTTGGCCCTTGATGATTTTGAATAAGTCTCTTGCACCATGCA	726				

Db 241 TCAATCCGATCGCTTTTGGCCTTGATGATTTGAAATAAAGTCCTGTTGCACACAGATGCA 300
Qy 727 GATGCTGTTGCTGCACAGATCCTGTCACTGCTGCCATTTGAAGATTTTTCBAATCATCGTC 786
Db 301 GATGCTGTTGCTGCACAGATCCTGTCACTGCTGCCATTTGAAGATTTTTCBAATCATCGTC 360
Qy 787 ATTGGGATCATTTGCATTTGATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGC 846
Db 361 ATTGGGATCATTTGATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGC 420
Qy 847 TCAGGGAAGTACAGATGTCGCTCATCTCTTTAAAGTGTATCGAGCTGATAGCTCGATGTGAC 906
Db 421 TCAGGGAAGTACAGATGTCGCTCATCTCTTTAAAGTGTATCGAGCTGATAGCTCGATGTGAC 480
Qy 907 GGAGTCTCGGATTTCCAAAGACGGGGAGGACAGTACCGCTGTGTCGGGTGGGTGAG 966
Db 481 GGAGTCTCGGATTTCCAAAGACGGGGAGGACAGTACCGCTGTGTCGGGTGGGTGAG 540
Qy 967 AATGCCGTGCTCCAGGTGTTTCAACAGCTGCTTCGTGGGAAGACCATGTGCTCCGATGACTGG 1026
Db 541 AATGCCGTGCTCCAGGTGTTTCAACAGCTGCTTCGTGGGAAGACCATGTGCTCCGATGACTGG 600
Qy 1027 AAGGGTCACTACGCAAAATGTTGCCCTGTGCTGCCAACTGGGTTTCCCAAGCTATGTGAGTTCA 1086
Db 601 AAGGGTCACTACGCAAAATGTTGCCCTGTGCTGCCAACTGGGTTTCCCAAGCTATGTGAGTTCA 660
Qy 1087 GATTAACCTCAGATGAGTCTGCTCGAGGGGAGTTTCGGGAGGAGTTTGTGTCATCGAT 1146
Db 661 GATTAACCTCAGATGAGTCTGCTCGAGGGGAGTTTCGGGAGGAGTTTGTGTCATCGAT 720
Qy 1147 CACCTCTTGCAGATGACAAAGGTCACTGCAATTACACCACTCAGTATATGTGAGGGAGGA 1206
Db 721 CACCTCTTGCAGATGACAAAGGTCACTGCAATTACACCACTCAGTATATGTGAGGGAGGA 780
Qy 1207 TGTGCTCTGCGCCACGTGTTTACCTTTCAGTGCACAGCTGTGTCATAGAAGGGGCTAC 1266
Db 781 TGTGCTCTGCGCCACGTGTTTACCTTTCAGTGCACAGCTGTGTCATAGAAGGGGCTAC 840
Qy 1267 AGCTCAGCATCTGTTGGGTGGAAACATGTCCTGCTGTCGAGTGCGCCCTGCGAGGGCCAGC 1326
Db 841 AGCTCAGGCATCTGTTGGGTGGAAACATGTCCTGCTGTCGAGTGCGCCCTGCGAGGGCCAGC 900
Qy 1327 CTTCAAGTCCAGGGCTACCACTGTGCGGGGGCTGTGTCATCAGCCCTGTGTGATCATC 1386
Db 901 CTTCAAGTCCAGGGCTACCACTGTGCGGGGGCTGTGTCATCAGCCCTGTGTGATCATC 960
Qy 1387 ACTGCTGCACATGCTGTTTATGACTTGTACCTCTCCCAAGTCAATGACCATCCAGGTGGGT 1446
Db 961 ACTGCTGCACATGCTGTTTATGACTTGTACCTCTCCCAAGTCAATGACCATCCAGGTGGGT 1020
Qy 1447 CTAGTTCCTGTTGGGAATCCAGCCCATCCACATGTTGGTGGAGAGATTTGCTACCAC 1506
Db 1021 CTAGTTCCTGTTGGGAATCCAGCCCATCCACATGTTGGTGGAGAGATTTGCTACCAC 1080
Qy 1507 AGCAAGTACAAAGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCA 1566
Db 1081 AGCAAGTACAAAGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCA 1140
Qy 1567 CTCACGTTCAATGAATGATCAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCC 1626
Db 1141 CTCACGTTCAATGAATGATCAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCC 1200
Qy 1627 GATGGAAAGTGTCTGGACGTGAGATGGGGGGCCACAGAGATGG --- AGGTGACGCC 1683
Db 1201 GATGGAAAGTGTCTGGACGTGAGATGGGGGGCCACAGAGATGGAGCAGTGTGACGCC 1260
Qy 1684 TCCCTGCTCTGAACACAGCGGGCGCTCCCTTGATTTCCAAACAGATCTGCAACACAGG 1743
Db 1261 TCCCTGCTCTGAACACAGCGGGCGCTCCCTTGATTTCCAAACAGATCTGCAACACAGG 1320
Qy 1744 GAGGTGACGGTGGCATCATCTCCCTCCATGCTGTCGCGGGGCTACCTGACGGGTGGC 1803
Db 1321 GAGGTGACGGTGGCATCATCTCCCTCCATGCTCTGCGGGGCTACCTGACGGGTGGC 1380

Qy 1804 GTGGACAGCTGCCAGGGGACACGGGGGGCCCTGCTGTGTGTCAAGAGAGAGAGCTGTGG 1863
Db 1381 GTGGACAGCTGCCAGGGGACACGGGGGGCCCTGCTGTGTGTCAAGAGAGAGAGCTGTGG 1440
Qy 1864 AAGTTAGTGGAGCGACACAGCTTTGGCATCGGCTGCCAGAGGTGAACAAGACCTTGGGGTG 1923
Db 1441 AAGTTAGTGGAGCGACACAGCTTTGGCATCGGCTGCCAGAGGTGAACAAGACCTTGGGGTG 1500
Qy 1924 TACACCCGTGTCACTCTCTTCTGGAACTGGATCCACGAGCAGATGGAGAGAGACTTAAAA 1983
Db 1501 TACACCCGTGTCACTCTCTTCTGGAACTGGATCCACGAGCAGATGGAGAGAGACTTAAAA 1560
Qy 1984 ACCTGAAAGGAAAGGGGACAAAGTAGCCACCTGAGTTCCTGAGGTGATGAAGACAGCCGA 2043
Db 1561 ACCTGAAAGGAAAGGGGACAAAGTAGCCACCTGAGTTCCTGAGGTGATGAAGACAGCCGA 1620
Qy 2044 TCCTCCCTCGAATCCTCCGTGTAGGAACCTGCACACGAGCAGACACCCCTTGGAGCTCTGAG 2103
Db 1621 TCCTCCCTCGAATCCTCCGTGTAGGAACCTGCACACGAGCAGACACCCCTTGGAGCTCTGAG 1680
Qy 2104 TTCGGCAACAGTAGCAGGCCCCGAAAGAGGACCCCTTCCATCTGATTTCCAGCACAACCTT 2163
Db 1681 TTCGGCAACAGTAGCAGGCCCCGAAAGAGGACCCCTTCCATCTGATTTCCAGCACAACCTT 1740
Qy 2164 CAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGTGGAGTCTCGCTCTGTTGCCAGGGCTGG 2223
Db 1741 CAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGTGGAGTCTCGCTCTGTTGCCAGGGCTGG 1800
Qy 2224 AGTGCACTGGCGAAATCCCTGCTCAGTCAGCCTCCGCTTCCCTGGTTCGAAGCATTTCTC 2283
Db 1801 AGTGCACTGGCGAAATCCCTGCTCAGTCAGCCTCCGCTTCCCTGGTTCGAAGCATTTCTC 1860
Qy 2284 TTGCTCAGCTTCCCAGTAGCTGGGACCAAGGTGCCCCGCCACCAACCACTAAATTT 2343
Db 1861 TTGCTCAGCTTCCCAGTAGCTGGGACCAAGGTGCCCCGCCACCAACCACTAAATTT 1920
Qy 2344 TTGTTATTTTGTAGAGACAGGGTTTCAACCATGTTGGCCAGGCTGCTCTCAAAACCCCTGA 2403
Db 1921 TTGTTATTTTGTAGAGACAGGGTTTCAACCATGTTGGCCAGGCTGCTCTCAAAACCCCTGA 1980
Qy 2404 CCTCAATGATGTGCTGCTTCAAGCCTCCACAGTGTGCGGATTAACAGGATGGGCCACC 2463
Db 1981 CCTCAATGATGTGCTGCTTCAAGCCTCCACAGTGTGCGGATTAACAGGATGGGCCACC 2040
Qy 2464 AGCCTAGCCTCAAGCTTCTTTCTGATCTTTCACTAAGAAACAAAGAGAGCAACTTTGCA 2523
Db 2041 AGCCTAGCCTCAAGCTTCTTTCTGATCTTTCACTAAGAAACAAAGAGAGCAACTTTGCA 2100
Qy 2524 AGGGCGGCTTCCCACCTGGTCCATCTGGTTTTCTCTCCAGGGGTCTTGAAGATTCCTG 2583
Db 2101 AGGGCGGCTTCCCACCTGGTCCATCTGGTTTTCTCTCCAGGGGTCTTGAAGATTCCTG 2160
Qy 2584 ACCAGATAGCAGTTATGTGACCTCACGTCAAAAGCCACCAACAGCCACTCAGAAAAAGAC 2643
Db 2161 ACCAGATAGCAGTTATGTGACCTCACGTCAAAAGCCACCAACAGCCACTCAGAAAAAGAC 2220
Qy 2644 GCACCAAGCCAGAGTGCAGAACTGCAGTCACTGCAGTTTTTCTCTAGGGGACAGAA 2703
Db 2221 GCACCAAGCCAGAGTGCAGAACTGCAGTCACTGCAGTTTTTCTCTAGGGGACAGAA 2280
Qy 2704 CCAACCCACCTTCTACTTCCAAAGCTTTATTTTCACTGTTGGGGAGGTAAATCTAGGA 2763
Db 2281 CCAACCCACCTTCTACTTCCAAAGCTTTATTTTCACTGTTGGGGAGGTAAATCTAGGA 2340
Qy 2764 ATGACTCGTTTAAAGGCTATTTTCACTGATTTCTTTGTAGCATTTGGTGTCTGACGTATTA 2823
Db 2341 ATGACTCGTTTAAAGGCTATTTTCACTGATTTCTTTGTAGCATTTGGTGTCTGACGTATTA 2400
Qy 2824 TTGTCCTTTGATTTCCAAATAATATGTTTCTTCCCTCATW 2863
Db 2401 TTGTCCTTTGATTTCCAAATAATATGTTTCTTCCCTCATW 2440

RESULT 2
US-09-949-016-5211
; Sequence 5211, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5211
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5211

Query Match 82.0%; Score 2418.8; DB 3; Length 2440;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2433; Conservative 1; Mismatches 3; Indels 3; Gaps 1;

QY	427	ACCGGGACCGGACCGGCTCGGCTACTTTCCTTAATAGGTGATGCCCGGTATGAGCA	486
DB	1	ACCGGGACCGGACCGGCTCGGCTACTTTCCTTAATAGGTGATGCCCGGTGAGCA	60
QY	487	GGAAAGGGCTGTGTTTATGGGAAGCCAGTAACACTGTGGCTTACTTCTTCCTGGTG	546
DB	61	GGAAAGGGCTGTGTTTATGGGAAGCCAGTAACACTGTGGCTTACTTCTTCCTGGTG	120
QY	547	CCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGAGCGGAGCGGATGTC	606
DB	121	CCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGAGCGGAGCGGATGTC	180
QY	607	AGAGGTCTGAATAGTACCAATGGGGAATATGATCGGCTGCTGTTGAAGCCCTTC	666
DB	181	AGAGGTCTGAATAGTACCAATGGGGAATATGATCGGCTGCTGTTGAAGCCCTTC	240
QY	667	TCATTCCGATCGCTTTTGGCCCTTGATGATTTGAAATTAAGTCTCTGTTCACAGATGA	726
DB	241	TCATTCCGATCGCTTTTGGCCCTTGATGATTTGAAATTAAGTCTCTGTTCACAGATGA	300
QY	727	GATGCTGTTGCTGCACAGATCCTGTCACTGTGCGCAATTGAAGTTTTTCCAAATCATGTC	786
DB	301	GATGCTGTTGCTGCACAGATCCTGTCACTGTGCGCAATTGAAGTTTTTCCAAATCATGTC	360
QY	787	ATTGGATCATTTGCAATTGATATTAGCCTGGCCATTGCTGGGATCCACTTTCGACTGC	846
DB	361	ATTGGATCATTTGCAATTGATATTAGCCTGGCCATTGCTGGGATCCACTTTCGACTGC	420
QY	847	TCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGAC	906
DB	421	TCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGAC	480
QY	907	GGAGTCTCGGATTTGAAAGACGGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAG	966
DB	481	GGAGTCTCGGATTTGAAAGACGGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAG	540
QY	967	AATGCCGTCTCCAGGTGTTCAAGCTGCTTCTGTGAAGCCATGCTCCGATGACTG3	1026
DB	541	AATGCCGTCTCCAGGTGTTCAAGCTGCTTCTGTGAAGCCATGCTTCCGATGACTG3	600
QY	1027	AAGGGTCACTACGAAATTTGCTGTGCCCACTGGGTTTCCCAAGCTATGTGATTC	1086
DB	601	AAGGGTCACTACGAAATTTGCTGTGCCCACTGGGTTTCCCAAGCTATGTGATTC	660

QY	1087	GATAAACCCTCAGAGTGAGCTCGCTCGAGGGGAGGTTCCGGGAGGAGTTTGTCTCATCGAT	1146
DB	661	GATAAACCCTCAGAGTGAGCTCGCTCGAGGGGAGGTTCCGGGAGGAGTTTGTCTCATCGAT	720
QY	1147	CACCTCTGGCAGATGACAGGCTGACTGATTAACCACTCAGTATATGTGAGGGAGGA	1206
DB	721	CACCTCTGGCAGATGACAGGCTGACTGATTAACCACTCAGTATATGTGAGGGAGGA	780
QY	1207	TGTGCTCTGGCCACGCTGTTTACCTTTCAGTGCACAGCTGCTGCTCATAGAGGGGCTAC	1266
DB	781	TGTGCTCTGGCCACGCTGTTTACCTTTCAGTGCACAGCTGCTGCTCATAGAGGGGCTAC	840
QY	1267	AGCTCAGGCATCGTGGGTGGAAACATGTCTTGTCTGCGAGTGGCCCTGCGAGCCAGC	1326
DB	841	AGCTCAGGCATCGTGGGTGGAAACATGTCTTGTCTGCGAGTGGCCCTGCGAGCCAGC	900
QY	1327	CTTCAGTTTCCAGGGCTACCACTGTCGGGGGGCTCTGTCTATCAGCCCTGTGGATCATC	1386
DB	901	CTTCAGTTTCCAGGGCTACCACTGTCGGGGGGCTCTGTCTATCAGCCCTGTGGATCATC	960
QY	1387	ACTGCTGCACACTGTGTTTATGACTTGTACCTCCCAAGTCTATGGACCATCCAGGTGGT	1446
DB	961	ACTGCTGCACACTGTGTTTATGACTTGTACCTCCCAAGTCTATGGACCATCCAGGTGGT	1020
QY	1447	CTAGTTTCCCTGTGGCAATCCAGCCCATCCCACTTGGTGGAGAGATGTCTTACCAC	1506
DB	1021	CTAGTTTCCCTGTGGCAATCCAGCCCATCCCACTTGGTGGAGAGATGTCTTACCAC	1080
QY	1507	AGCAAGTACAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGCA	1566
DB	1081	AGCAAGTACAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGCA	1140
QY	1567	CTCAGTTTCAATGAAATGATCCAGCTGTGCTGCTGCCCACTCTGAAAGAGAACTTCCCC	1626
DB	1141	CTCAGTTTCAATGAAATGATCCAGCTGTGCTGCTGCCCACTCTGAAAGAGAACTTCCCC	1200
QY	1627	GATGAAAGTGTGCTGAGACGTGAGGATGGGGGGCCACAGAGGATGG--AGGTACGCGC	1683
DB	1201	GATGAAAGTGTGCTGAGACGTGAGGATGGGGGGCCACAGAGGATGGAGCGGTGACGCGC	1260
QY	1684	TCCCTGCTCTGAAACACGCGCGCTCTCTTTGATTTTCAACAAGATCTGCAACACAGG	1743
DB	1261	TCCCTGCTCTGAAACACGCGCGCTCTCTTTGATTTTCAACAAGATCTGCAACACAGG	1320
QY	1744	GACGTGTACGTTGGCATCATCTCCCTCCATGCTCTCGGGGCTTACTGACGGGTGC	1803
DB	1321	GACGTGTACGTTGGCATCATCTCCCTCCATGCTCTCGGGGCTTACTGACGGGTGC	1380
QY	1804	GTGGACAGCTGCGAGGGGACAGCGGGGGGCCCCCTGGTGTCTCAAGAGAGAGGCTGTGG	1863
DB	1381	GTGGACAGCTGCGAGGGGACAGCGGGGGGCCCCCTGGTGTCTCAAGAGAGAGGCTGTGG	1440
QY	1864	AAGTTAGTGGAGAGCAACAGCTTTTGGCATTCGGCTCGCGAGAGGTGAAACAGGCTGGGTG	1923
DB	1441	AAGTTAGTGGAGAGCAACAGCTTTTGGCATTCGGCTCGCGAGAGGTGAAACAGGCTGGGTG	1500
QY	1924	TACACCCGTGTACCTCTTCTGAGTGGATCCACAGACAGTGGAGAGAGACCTTAA	1983
DB	1501	TACACCCGTGTACCTCTTCTGAGTGGATCCACAGACAGTGGAGAGAGACCTTAA	1560
QY	1984	ACCTGAAAGAGGAGGAGCAAGTAGCCACCTGAGTTCTCTGAGTGTATGAAGACAGCCCGA	2043
DB	1561	ACCTGAAAGAGGAGGAGCAAGTAGCCACCTGAGTTCTCTGAGTGTATGAAGACAGCCCGA	1620
QY	2044	TCTTCCCTTGGACTCCCGGTAGGAACTGTGCAACAGAGAGACACCTTGGAGCTGTGAG	2103
DB	1621	TCTTCCCTTGGACTCCCGGTAGGAACTGTGCAACAGAGAGACACCTTGGAGCTGTGAG	1680
QY	2104	TTCCGGGACCACTAGCAGGCGCCGAAAGAGGACCTTCCATCTGATTTCCAGCACAACCTT	2163
DB	1681	TTCCGGGACCACTAGCAGGCGCCGAAAGAGGACCTTCCATCTGATTTCCAGCACAACCTT	1740

7	PRIOR FILING DATE: 1998-04-15
7	PRIOR APPLICATION NUMBER: 60/082568
7	PRIOR FILING DATE: 1998-04-21
7	PRIOR APPLICATION NUMBER: 60/082569
7	PRIOR FILING DATE: 1998-04-21
7	PRIOR APPLICATION NUMBER: 60/082704
7	PRIOR FILING DATE: 1998-04-22
7	PRIOR APPLICATION NUMBER: 60/082804
7	PRIOR FILING DATE: 1998-04-22
7	PRIOR APPLICATION NUMBER: 60/082700
7	PRIOR FILING DATE: 1998-04-22
7	PRIOR APPLICATION NUMBER: 60/082797
7	PRIOR FILING DATE: 1998-04-22
7	PRIOR APPLICATION NUMBER: 60/082796
7	PRIOR FILING DATE: 1998-04-23
7	PRIOR APPLICATION NUMBER: 60/083336
7	PRIOR FILING DATE: 1998-04-27
7	PRIOR APPLICATION NUMBER: 60/083322
7	PRIOR FILING DATE: 1998-04-28
7	PRIOR APPLICATION NUMBER: 60/083392
7	PRIOR FILING DATE: 1998-04-29
7	PRIOR APPLICATION NUMBER: 60/083495
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7	PRIOR APPLICATION NUMBER: 60/083496
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7	PRIOR APPLICATION NUMBER: 60/085689
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; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 79.6%; Score 2346; DB 3; Length 2412;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2357; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

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Qy 563 GACTCGGAATTAATAGGTAGAGGTGAGGCGGAGCCGGATGTCTAGAGGTCTCTGAATAG 622
Db 61 GACTCGGGAATTAATAGGTAGAGGTGAGGCGGAGCCGGATGTCTAGAGGTCTCTGAATAG 120

Qy 623 TCACATCGGGGAAATGATCGCCCTCTGTGTAAGCCCTCTCTCATTTCCGATCGCTTT 682
Db 121 TCACATCGGGGAAATGATCGCCCTCTGTGTAAGCCCTCTCTCATTTCCGATCGCTTT 180

Qy 683 TTGGCCTTGATGATTTGAAATAAGTCTGTGTAAGCCCTCTCTCATTTCCGATCGCTTT 742
Db 181 TTGGCCTTGATGATTTGAAATAAGTCTGTGTAAGCCCTCTCTCATTTCCGATCGCTTT 240

Qy 743 AGATCCTGTCACTGCTGCCATTTGAAATTTTTCATCATCTGTCTATTTGGATCATTTGAT 802
Db 241 AGATCCTGTCACTGCTGCCATTTGAAATTTTTCATCATCTGTCTATTTGGATCATTTGAT 300

Qy 803 TGATATTAGACTGGCCATTTGCTGCGGATCCACTTTCGATGCTCAGGAGTACAGAT 862
Db 301 TGATATTAGACTGGCCATTTGCTGCGGATCCACTTTCGATGCTCAGGAGTACAGAT 360

Qy 863 GTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACCGAGTCTCGGATGCA 922
Db 361 GTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACCGAGTCTCGGATGCA 420

Qy 923 AAGCGGGGAGGACGAGTACCCTGTGTCCGGGTGGTGGTCCAGATGCTGCTCCAGG 982
Db 421 AAGCGGGGAGGACGAGTACCCTGTGTCCGGGTGGTGGTCCAGATGCTGCTCCAGG 480

Qy 983 TGTTCACAGCTGCTGTGGAAGACCAATGTGTCTCGATGATGGAAGGTCTACTAGCNA 1042
Db 481 TGTTCACAGCTGCTGTGGAAGACCAATGTGTCTCGATGATGGAAGGTCTACTAGCNA 540

Qy 1043 ATGTTGCCCTGTGCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATACTCAGAGTGA 1102
Db 541 ATGTTGCCCTGTGCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATACTCAGAGTGA 600

Qy 1103 GCTCGCTGGAGGGCAGTATTCGGGAGGAGTTTGTGTCCATCGATCACTTTGCCAGATG 1162
Db 601 GCTCGCTGGAGGGCAGTATTCGGGAGGAGTTTGTGTCCATCGATCACTTTGCCAGATG 660

Qy 1163 ACAAGGTGATGATTTACCACTCAGTATATGTGAGGAGGAGTGTGCTCTGGCCAGG 1222
Db 661 ACAAGGTGATGATTTACCACTCAGTATATGTGAGGAGGAGTGTGCTCTGGCCAGG 720

Qy 1223 TGGTTACCTTGCAGTGCACAGCTGTGGTTCATAGAGGGGCTACAGCTCAGCATCGTGG 1282
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Qy 1343 ACCACCTGTGCGGGGCTCTGTTCATCAAGCCCTGTGGAATCATCTGTGTCACATGTG 1402
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Db 1561 GTAGGAACCTGCACACAGCAGACACCTTGGAGCTCTGAGTTCGGCACACAGTAGCAG 1620
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Db 1621 CCCGAAAGAGGACCCCTTCCATCTGATTCAGCAACCTTCAAGTGTCTTTTGT 1680
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Qy 2243 TGCTCACTGACGCTCCGCTTCCCTGTTTCAAGCGATTTCTTGTGCTCAGTTCGCCAGT 2302
Db 1741 TGCTCACTGACGCTCCGCTTCCCTGTTTCAAGCGATTTCTTGTGCTCAGTTCGCCAGT 1800
Qy 2303 AGCTGGGACCAACAGGTGGCCGCAACACCCAACTAATTTTGTATTTTGTAGTAGAGAC 2362
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Qy 2363 AGGTTTTCACATGTTGGCAGGCTCTCAACCCCTGACTCAATGATGTGCTGCTGC 2422
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Db 1921 TTCAGCTCCCAAGTGTGGGATACAGGCAATGGGCCACACGCTAGCCTCACGCTCC 1980
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Db 1981 TTTCTGATCTTCACTAAGAACAAAGAAGCAGCAACTTGCAGGGGCGCCTTTTCCCACTG 2040
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Qy 2663 GAATGCACTGACCTGCAGCTTTTTCATCTCTAGGACCCAGAACCAACCCACCTTTTCTAC 2722
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Qy 2723 TTCCAAGACTTATTTTTCATCTGCGGAGGTTAATCTTAGGAATGACTCGTTTAAAGGCTTA 2782
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Qy 2783 TTTTTCATGATTTCTTTTTCAGCATTTGGTGGCTTGACGTATTATTGCTCTTGTATTCCTCAAT 2842
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Qy 2843 AATATGTTTCTTCCCTCATWR 2864
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RESULT 5
US-10-020-445A-68
; Sequence 68, Application US/10020445A
; Patent No. 6962797
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630F1C74
; CURRENT APPLICATION NUMBER: US/10/020.445A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 79.6%; Score 2346; DB 3; Length 2412;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2357; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

QY 503 ATGGGAAGCCAGTAACACTGTGGCTACTATCTCTTCGGTGGTGCATCTACATTTTGG 562
DB 1 ATGGGAAGCCAGTAACACTGTGGCTACTATCTCTTCGGTGGTGCATCTACATTTTGG 60
QY 563 GACTCGGGAATTATGAGGTAGAGTGGAGGCGGAGCCGATGTGAGAGTCTTGAATAG 622
DB 61 GACTCGGGAATTATGAGGTAGAGTGGAGGCGGAGCCGATGTGAGAGTCTTGAATAG 120
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DB 121 TCACCATGGGGAAAAATGATCCGCTGCTGTGTTGAAGCCCTTCTCATTTCCGATCGCTTT 180
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Db 2340 AATATGTTTCTTCCCTCATTTG 2361

RESULT 6
US-09-518-046-1
; Sequence 1, Application US/09518046
; Patent No. 6294663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; CURRENT FILING DATE: 2000-03-02
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 1
; LENGTH: 2413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 gene
US-09-518-046-1

Query Match 79.3%; Score 2337.2; DB 3; Length 2413;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 2384; Conservative 9; Mismatches 12; Indels 5; Gaps 4;
Qy 485 CAGGAAGGGCTGTGTTTATGGGAAGCCAGTAACTGTGGCCTACTATCTTCCGTGG 544
Db 1 CGGGAAGGGCTGTGTTTATGGGAAGCCAGTAACTGTGGCCTACTATCTTCCGTGG 60
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Db 121 TCAGAGTCTGAAATAGTACCATGGGGAATATGATCCGCTGCTGTTGAAGCCCCCT 180
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QY 725 CAGATGCTGTTGCTGCACAGATCCCTGTCACTGCTGCCATT--GAAGTTTTTTTTTCCCAATCAT 782
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QY 842 ACTGCTCAGGGAAGTACAGATGCTCCTCATCTCTTTAAGTGTATCAGCTGATAGTCCGAT 901
Db 361 ACTGCTCAGGGAAGTACAGATGCTCCTCATCTCTTTAAGTGTATCAGCTGATTAATCTCGAT 420
QY 902 GTGACGGAGTCTCGGATTTGCAAGACGGGAGGACAGTACCGTGTGTCCGGGTGGGTG 961
Db 421 GTGACGGAGTCTCGGATTTGCAAGACGGGAGGACAGTACCGTGTGTCCGGGTGGGTG 480
QY 962 GTGAGATGCCGTGCTCCAGGTGTTTCAAGCTGCTTCGFTGGAAGACCATGTGCTCCGATG 1021
Db 481 GTGAGATGCCGTGCTCCAGGTGTTTCAAGCTGCTTCGFTGGAAGACCATGTGCTCCGATG 540
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QY 1142 TCGATCACCTCTTGGCAGATGACAAGGTGACTGCAATTAACAACCTCAGTATATGTGAGGG 1201
Db 661 TCGATCACCTCTTGGCAGATGACAAGGTGACTGCAATTAACAACCTCAGTATATGTGAGGG 720
QY 1202 AGGGATGTGCTCTGCGCACAGTGGTTA CTTGAGTGTGACAGCCCTGTGTGTATGAGAAGG 1261
Db 721 AGGGATGTGCTCTGCGCACAGTGGTTA CTTGAGTGTGACAGCCCTGTGTGTATGAGAAGG 780
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Db 781 GCTACAGCTCAGCGATCGTGGTGGAAACATGCTCTGCTGCTCGAGTGGCCCTGGCAGG 840
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Db 1321 CGCTGAAACAGCTGCCAGGGGACAGCGGGGGGGCCCTCGTGTGTCAAGAGAGAGGCTGT 1380
QY 1862 GGAAGTTAGTGGGAGCGACAGCTTTGGCATCGGCTGCGAGAGGTGAACAGCCCTGGGG 1921
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Db 1441 TGTACACCCGTGTCACTCTCTTCTGGACTGGATCCACGAGCAGATGGAGAGAGACCTAA 1500
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QY 2401 TGACCTCAATGATGTGCTGCTTCCAGCTCCCAAGTCTGGGATTACAGCAGTGGGC 2460
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QY 2521 GCAAGGGGGCTTTCCCACTGCTGCTCCATCTGCTGCTTCTCCAGGGGTCTTGCAAAATTC 2580
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QY 2881 AAAARRRRR 2890

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Db 2400 AAAAAAAAAA 2409

RESULT 7
US-09-650-371-1
; Sequence 1, Application US/09650371
; Patent No. 6942978
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650.371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 1
; LENGTH: 2413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 gene
US-09-650-371-1

Query Match 79.3%; Score 2337.2; DB 3; Length 2413;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 2384; Conservative 9; Mismatches 12; Indels 5; Gaps 4;

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Qy 545 TGCCATCTACATTTTGGGACTCGGGAATTATAGGTAGAGTGGAGCGGAGCCGGATG 604
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Qy 665 TCTCATTCGGATCGCTTTTGGCCCTTGATGATTTGAAAAATAGTCCCTGTGTCACACAGATG 724
Db 181 TCTCATTCGGATCGCTTTTGGCCCTTGATGATTTGAAAAATAGTCCCTGTGTCACACAGATG 240

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Qy 2878 AAAAAAARRRRR 2890
Db 2400 AAAAAAAMAAAA 2412
RESULT 9
US-09-518-046-3
; Sequence 3, Application US/09518046
; Patent No. 6294663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; CURRENT FILING DATE: 2000-03-02
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 variant gene
US-09-518-046-3
Query Match 74.5%; Score 2196.2; DB 3; Length 2544;
Best Local Similarity 93.8%; Pred. No. 0;
Matches 2384; Conservative 9; Mismatches 12; Indels 136; Gaps 5;
Qy 485 CAGGAAAGGCTGTGTTTATGGGAAGCAGTAAACACTGTGGCCTACTATCTTCCGTGG 544
Db 1 CGGGAAGGGCTGTGTTTATGGGAAGCAGTAAACACTGTGGCCTACTATCTTCCGTGG 60
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Db	361	ACTGCTCAGGGAAGTACAGATGTCGCTCATCTCTTTAAGTGTATTCGAGCTGATAACTCGAT	420
Qy	902	GTACCGAGTCTCGGATTTGCAAGA CGGGAGGACGAGTACCGCTGTGTCCGGGTGGGTG	961
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Qy	1082	GTTTCAGATAACCTCAGAGTCAGTCGCTGGAGGGG CAGTTTCGGGAGGAGTTTGTGTCCA	1141
Db	601	GTTTCAGATAACCTCAGAGTCAGTCGCTGGAGGGG CAGTTTCGGGAGGAGTTTGTGTCCA	660
Qy	1142	TCGATCACCTTTCGCCAGATGCAAGA GTGACTGCATTACACCACTCAGTATATGTGAGGG	1201
Db	661	TCGATCACCTTTCGCCAGATGCAAGA GTGACTGCATTACACCACTCAGTATATGTGAGGG	720
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Db	721	AGGATGTGCTCTGGCCACGTGGTTACCTTTG CAGTGTGCAGTCGACAGCCCTGTGTCATAGAAGG	780
Qy	1262	GCTACAGCTCA CGCATCGTGGGTGGAAACATGCTCTCGCAGTGGCCCTGGCAGG	1321
Db	781	GCTACAGCTCA CGCATCGTGGGTGGAAACATGCTCTCGCAGTGGCCCTGGCAGG	840
Qy	1322	CCAGCCTTCAGTTCCAGGGCTACCA CACTGTGGGGGCTCTGTATCATCAGCCCTCTGGA	1381
Db	841	CCAGCCTTCAGTTCCAGGGCTACCA CACTGTGGGGGCTCTGTATCATCAGCCCTCTGGA	900
Qy	1382	TCATCACTGTGTCACACTGTGTTTATGA -----	1409
Db	901	TCATCACTGTGTCACACTGTGTTTATGAGATTGTAGTCTCTAGAGAAAGGCAGACAGAA	960
Qy	1410	-----	1409
Db	961	GAGGAAGGAGCTCCTGTGCTGGAGGAAACCCACAAAAATGAAAGGACCTAGACCTTCCC	1020
Qy	1410	-----CTTGTACTCTCCCAAGTCATG	1430
Db	1021	ATAGCTAAATTCAGTGGACCATGTTATGGCAGATACAGGCTTGTACTCTCCCAAGTCATG	1080
Qy	1431	GACCATCCAGTGGGTCTAGTTTCCCTGTTGGACAAATCCAGCCCCATCCCCACTTGTGTGA	1490
Db	1081	GACCATCCAGTGGGTCTAGTTTCCCTGTTGGACAAATCCAGCCCCATCCCCACTTGTGTGA	1140
Qy	1491	GAAGATTGTTCTTACACAGCAGTACAAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTAT	1550
Db	1141	GAAGATTGTTCTTACACAGCAGTACAAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTAT	1200
Qy	1551	GAAGTGGCCGGGCCCATCTCAGTTCAATGAAATGATTCAGGCTGTGTGCTGCCCACTC	1610
Db	1201	GAAGTGGCCGGGCCCATCTCAGTTCAATGAAATGATTCAGGCTGTGTGCTGCCCACTC	1260
Qy	1611	TGAAGAGAACTTCCCGATGAAAGTGTGCTGGACGTCAAGATGGGGGGCCACAGAGGA	1670
Db	1261	TGAAGAGAACTTCCCGATGAAAGTGTGCTGGACGTCAAGATGGGGGGCCACAGAGGA	1320
Qy	1671	TGGAGGTGACGCTCCCTGTCTCTGAACCA CGCGGCGGTCCCTTTGATTTCCAAACAAGAT	1730
Db	1321	TGGAGGTGACGCTCCCTGTCTCTGAACCA CGCGGCGGTCCCTTTGATTTCCAAACAAGAT	1380
Qy	1731	CTGCNAACACAGGGAGTGTTACGGTGGCATCATCTCCCTCCCATGCTCTGCGGGGCTA	1790
Db	1381	CTGCNAACACAGGGAGTGTTACGGTGGCATCATCTCCCTCCCATGCTCTGCGGGGCTA	1440

[illegible]

```
Qy 2870 AAAAAAAAAAAAAAAAARRMR 2890
Db 2520 AAAAAAAAAAAAAAAAA 2540

RESULT 10
US-09-650-371-3
; Sequence 3, Application US/09650371
; Patent No. 6942978
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650,371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 variant gene
US-09-650-371-3

Query Match 74.5%; Score 2196.2; DB 3; Length 2544;
Best Local Similarity 93.8%; Pred. No. 0;
Matches 2384; Conservative 9; Mismatches 12; Indels 136; Gaps 5;

Qy 485 CAGGAAAGGCTGTTTATGGGAAGCCAGTAACACTGTGGCCCTACTATCTTCCGTGG 544
Db 1 CCGGAAAGGCTGTTTATGGGAAGCCAGTAACACTGTGGCCCTACTATCTTCCGTGG 60

Qy 545 TGCCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGAGCGGAGCCGATG 604
Db 61 TGCCATCTACATTTTGGGACTCGGGAATTATGAGGTAGAGTGGAGCGGAGCCGATG 120

Qy 605 TCAGAGTCTCGAATAGTACCATGGGGAATATGATCGCCCTGCTGTTGAGCCCCCT 664
Db 121 TCAGAGTCTCGAATAGTACCATGGGGAATATGATCGCCCTGCTGTTGAGCCCCCT 180

Qy 665 TCTCATTCGATCGCTTTTGGCCCTTGATGATTTGAAAAAATGCTGTTGCACAGATG 724
Db 181 TCTCATTCGATCGCTTTTGGCCCTTGATGATTTGAAAAAATGCTGTTGCACAGATG 240

Qy 725 CAGATGCTGTGTCACAGATCTGTCACCTGCTGCCATT--GAAAGTTTTCCTCAATCAT 782
Db 241 CAGATGCTGTGTCACAGATCTGTCACCTGCTGCCATTGAAAGTTTTCCTCAATCAT 300

Qy 783 CGTCATT--GGGATCATTTGCAATGATATTAGCACTGGGCATTGGTCTGGGCATCCACTCG 841
Db 301 CGTCATTGGGATCATTTGCAATGATATTAGCACTGGGCATTGGTCTGGGCATCCACTCG 360

Qy 842 ACTGCTCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGAT 901
Db 361 ACTGCTCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGAT 420

Qy 902 GTGACGAGTCTCGGATTCGAAAGACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTG 961
Db 421 GTGACGAGTCTCGGATTCGAAAGACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTG 480

Qy 962 GTCAAGATGCGTCTCCAGTGTTCACAGCTGCTCGTGGAGACCATGTGCTCCGATG 1021
Db 481 GTCAAGATGCGTCTCCAGTGTTCACAGCTGCTCGTGGAGACCATGTGCTCCGATG 540

Qy 1022 ACTGGAAGGTCATACGCAAAATGTTGCTGTGCCAACTGGGTTTCCCAAGCTATGTGA 1081
Db 541 ACTGGAAGGTCATACGCAAAATGTTGCTGTGCCAACTGGGTTTCCCAAGCTATGTGA 600
```


US-09-949-016-181324

Query Match 20.3%; Score 597.2; DB 3; Length 601;
Best Local Similarity 99.7%; Pred. No. 4.9e-134;
Matches 596; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2203 TCGCTCTGTTCCCGAGGCTGAGTGCAGTGGCGAAATCCCTGCTCACTGAGCCTCGCT 2262
DB 25543 TCGCTCTGTTGCCAGGCTGAGTGCAGTGGCGAAATCCCTGCTCACTGAGCCTCGCT 25602

QY 2263 TCCCTGGTTCAAGGATTCCTTGGCTCAGCTTCCCGAGTAGCTGGGACCAACAGGTGCC 2322
DB 25603 TCCCTGGTTCAAGGATTCCTTGGCTCAGCTTCCCGAGTAGCTGGGACCAACAGGTGCC 25662

QY 2323 GCCACCAACCACTAATTTTGTATTTTGTAGTAGAGACAGGGTTTACCATGTTGGCC 2382
DB 25663 GCCACCAACCACTAATTTTGTATTTTGTAGTAGAGACAGGGTTTACCATGTTGGCC 25722

QY 2393 AGGCTGCTCTCAAAACCTGACCTCAATGATGTCCTTTCAGCTTCCCGACAGTGTG 2442
DB 25723 AGGCTGCTCTCAAAACCTGACCTCAATGATGTCCTTTCAGCTTCCCGACAGTGTG 25782

QY 2443 GGATTACAGGATGGGCCACCAAGCTTAGCTTCCCGAGTGTGCTTTCAGTCTTCACTAAGAA 2502
DB 25783 GGATTACAGGATGGGCCACCAAGCTTAGCTTCCCGAGTGTGCTTTCAGTCTTCACTAAGAA 25842

QY 2503 CAAAGAGAGCAACTTTCGAAAGGGCGGCTTTCAGCTTCCCGAGTGTGCTTTCAGTCTTCC 2562
DB 25843 CAAAGAGAGCAACTTTCGAAAGGGCGGCTTTCAGCTTCCCGAGTGTGCTTTCAGTCTTCC 25902

QY 2563 AGGGTCTTCGAAATTTCTGACGAGATAAGCAGTTATGACCTTCACTGCAAGCCAC 2622
DB 25903 AGGGTCTTCGAAATTTCTGACGAGATAAGCAGTTATGACCTTCACTGCAAGCCAC 25962

QY 2623 CAACAGCCACTCAGAAAAGCCAGCCAGGAGTGCAGAACTGCAAGTCACTGCAAGT 2682
DB 25963 CAACAGCCACTCAGAAAAGCCAGCCAGGAGTGCAGAACTGCAAGTCACTGCAAGT 26022

QY 2683 TTTCATCTCTAGGACCAAGAACCAACCCCTTTCTACTTCCAAAGCTTATTTTCA 2742
DB 26023 TTTCATCTCTAGGACCAAGAACCAACCCCTTTCTACTTCCAAAGCTTATTTTCA 26082

QY 2743 TGTGGGAGTTAATCTAGGATGACTCGTTTAAAGGCTTATTTTCAATGTTTGTAG 2802
DB 26083 TGTGGGAGTTAATCTAGGATGACTCGTTTAAAGGCTTATTTTCAATGTTTGTAG 26142

QY 2803 CATTTGTTGCTGAGTATTTATGCTTTTGATTCCTTCAATATATGTTTCTTCCCTCAT 2862
DB 26143 CATTTGTTGCTGAGTATTTATGCTTTTGATTCCTTCAATATATGTTTCTTCCCTCAT 26202

QY 2863 WR 2864
DB 26203 TG 26204

RESULT 14

US-09-949-016-181324/c
; Sequence 181324, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 181324
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human

US-09-949-016-181324

Query Match 20.3%; Score 597.2; DB 3; Length 601;
Best Local Similarity 99.7%; Pred. No. 4.9e-134;
Matches 596; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2267 TGGTTCAAGGATTCCTTGGCTCAGCTTCCCGAGTAGCTGGGACCAACAGGTGCCGCCA 2326
DB 601 TGGTTCAAGGATTCCTTGGCTCAGCTTCCCGAGTAGCTGGGACCAACAGGTGCCGCCA 542

QY 2327 CCACACCACTAATTTTGTATTTTGTAGTAGAGACAGGGTTTACCATGTTGGCCAGGC 2386
DB 541 CCACACCACTAATTTTGTATTTTGTAGTAGAGACAGGGTTTACCATGTTGGCCAGGC 482

QY 2387 TGCTCTCAAAACCTGACCTCAATGATGTCCTTTCAGCTTCCCGACAGTGTGGAT 2446
DB 481 TGCTCTCAAAACCTGACCTCAATGATGTCCTTTCAGCTTCCCGACAGTGTGGAT 422

QY 2447 TACAGGATGGGCCACCAAGCTTAGCTTCCCGAGTGTGCTTTCAGTCTTCACTAAGAACAA 2506
DB 421 TACAGGATGGGCCACCAAGCTTAGCTTCCCGAGTGTGCTTTCAGTCTTCACTAAGAACAA 362

QY 2507 AGAGGACCACTTTCGAAAGGGCGGCTTTCAGCTTCCCGAGTGTGCTTTCAGTCTTCCAGGG 2566
DB 361 AGAGGACCACTTTCGAAAGGGCGGCTTTCAGCTTCCCGAGTGTGCTTTCAGTCTTCCAGGG 302

QY 2567 GTCTTGCAAATTTCTGACGAGATAAGCAGTTATGTCCTTCACTGCAAGCCCAAC 2626
DB 301 GTCTTGCAAATTTCTGACGAGATAAGCAGTTATGTCCTTCACTGCAAGCCCAAC 242

QY 2627 AGCCACTCAGAAAAGCCAGCCAGGAGTGCAGAACTGCAAGTCACTGCAAGTTC 2686
DB 241 AGCCACTCAGAAAAGCCAGCCAGGAGTGCAGAACTGCAAGTCACTGCAAGTTC 182

QY 2687 ATCTTAGGACCAAGAACCAACCCCTTTCTACTTCCAAAGCTTATTTTCACTGTG 2746
DB 181 ATCTTAGGACCAAGAACCAACCCCTTTCTACTTCCAAAGCTTATTTTCACTGTG 122

QY 2747 GGGAGTTTAACTAGGATGACTCGTTTAAAGGCTTATTTTCAATGATTTTGTAGCAT 2806
DB 121 GGGAGTTTAACTAGGATGACTCGTTTAAAGGCTTATTTTCAATGATTTTGTAGCAT 62

QY 2807 TGGTCTTGACGATTTATTTGCTTGAATTCCTTGAATTCCTTGAATTCCTTGAATTCCTTGA 2864
DB 61 TGGTCTTGACGATTTATTTGCTTGAATTCCTTGAATTCCTTGAATTCCTTGAATTCCTTGA 4

RESULT 15

US-09-949-016-181361/c
; Sequence 181361, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 181361
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-181361

Query Match 20.3%; Score 597.2; DB 3; Length 601;

Best Local Similarity 99.7%; Pred. No. 4.9e-134;		Matches 596; Conservative 2; Mismatches 0; Indels 0; Gaps 0;	
Qy	2267	TGGTTCAAGCGATTCTCTTGCTCAGCTTCCCGAGTAGCTGGGACCAACAGGTGCCCGCCA	2326
Db	601	TGGTTCAAGCGATTCTCTTGCTCAGCTTCCCGAGTAGCTGGGACCAACAGGTGCCCGCCA	542
Qy	2327	CCACACCAACTAATTTTGTATTTTAGTAGACACAGGGTTTCACCATGTTGGCCAGGC	2386
Db	541	CCACACCAACTAATTTTGTATTTTAGTAGACACAGGGTTTCACCATGTTGGCCAGGC	482
Qy	2387	TGCTCTCAAAACCCCTGACCTCAAAATGATGTGCTGCTTCAGCCCTCCACAGTGTGGAT	2446
Db	481	TGCTCTCAAAACCCCTGACCTCAAAATGATGTGCTGCTTCAGCCCTCCACAGTGTGGAT	422
Qy	2447	TACAGGCATGGGCCACACACGCTAGCCTCAGCTCCCTTTCTGATCTTCATAGAAACAA	2506
Db	421	TACAGGCATGGGCCACACACGCTAGCCTCAGCTCCCTTTCTGATCTTCATAGAAACAA	362
Qy	2507	AGAGCAGCAACTTGCAGGGCGGCTTCCCACTGGTCCATCTGGTTTCTCTCCAGGG	2566
Db	361	AGAGCAGCAACTTGCAGGGCGGCTTCCCACTGGTCCATCTGGTTTCTCTCCAGGG	302
Qy	2567	GTCTTGCAAAATTCCTGACGAGATAAGCAGTTATGTGACCTCAGTGCAAGCCACCAAC	2626
Db	301	GTCTTGCAAAATTCCTGACGAGATAAGCAGTTATGTGACCTCAGTGCAAGCCACCAAC	242
Qy	2627	AGCCACTCAGAAAGACGACCCAGCCAGAGTGCGAACTGCGAGTCACTGCGGTTTC	2686
Db	241	AGCCACTCAGAAAGACGACCCAGCCAGAGTGCGAACTGCGAGTCACTGCGGTTTC	182
Qy	2687	ATCTCTAGGGACCAAGAACCCACCTTCTACTTCCAAAGACTTATTTTCACATGTG	2746
Db	181	ATCTCTAGGGACCAAGAACCCACCTTCTACTTCCAAAGACTTATTTTCACATGTG	122
Qy	2747	GGGAGGTTAATCTAGGAATGACTCGTTTAAGGCCCTATTTTCATGATTTCTTTGTAGCAT	2806
Db	121	GGGAGGTTAATCTAGGAATGACTCGTTTAAGGCCCTATTTTCATGATTTCTTTGTAGCAT	62
Qy	2807	TGGTGTGACGTAATTTATTTGCTTTGATTTCCAAATATATGTTTCTTCCCTCATWR	2864
Db	61	TGGTGTGACGTAATTTATTTGCTTTGATTTCCAAATATATGTTTCTTCCCTCATTG	4

Search completed: January 7, 2006, 22:32:53
Job time : 525.149 secs

1387 ACTGCTGCACACTGTGTTTATGACTTGTACCTTCCCAAGTCAATGCAATCCAGTGGGT 1446
Db ACTGCTGCACACTGTGTTTATGACTTGTACCTTCCCAAGTCAATGCAATCCAGTGGGT 1020
1447 CTAGTTTCCCTGTTGGACAATCCAGCCCACTCCCACTTGGTGGAGAAATGCTACAC 1506
Db CTAGTTTCCCTGTTGGACAATCCAGCCCACTCCCACTTGGTGGAGAAATGCTACAC 1080
1507 AGCAAGTACAAGCAAGAGGCTGGGCAATGACATGCGCCCTTATGAAGTGGCGGCCA 1566
Db AGCAAGTACAAGCAAGAGGCTGGGCAATGACATGCGCCCTTATGAAGTGGCGGCCA 1140
1567 CTCAGTTCAATGAATGATCAGCGCTGTGCTGCGGCCCACTCTGAAGAACTTCCCC 1626
Db CTCAGTTCAATGAATGATCAGCGCTGTGCTGCGGCCCACTCTGAAGAACTTCCCC 1200
1627 GATGAAAGTGTGCTGACCTCAGGATGGGGGCGCACAGAGGATGGAGGTGACGCTCC 1686
Db GATGAAAGTGTGCTGACCTCAGGATGGGGGCGCACAGAGGATGGAGGTGACGCTCC 1260
1687 CCTGCTCGAACAAGCGGCGGTCCCTTTGATTTCCAAAGATCTGCAACACAGGGAC 1746
Db CCTGCTCGAACAAGCGGCGGTCCCTTTGATTTCCAAAGATCTGCAACACAGGGAC 1320
1747 GTGTACGGTGCATCATCTCCCTCCATCTCTCGCGGGCTACCTGACGGTGGCGTG 1806
Db GTGTACGGTGCATCATCTCCCTCCATCTCTCGCGGGCTACCTGACGGTGGCGTG 1380
1807 GACAGCTGCCAGGGGACAGCGGGGCGCCCTGTGTGTCAAGAGAGAGGCTGTGAAG 1866
Db GACAGCTGCCAGGGGACAGCGGGGCGCCCTGTGTGTCAAGAGAGAGGCTGTGAAG 1440
1867 TTAGTGGAGGACACAGCTTGGCATCGGTGCGCAGAGGTGAACAAGCTTGGGGTGTAC 1926
Db TTAGTGGAGGACACAGCTTGGCATCGGTGCGCAGAGGTGAACAAGCTTGGGGTGTAC 1500
1927 ACCGCTGTCACTCTCTCTGATGATCCAGCAGAGATGAGAGAGAGCTTAAAC 1986
Db ACCGCTGTCACTCTCTCTGATGATCCAGCAGAGATGAGAGAGAGCTTAAAC 1560
1987 TGAAGAGAGAGGACAGTAGACCTGAGTCTCTGAGGTGATGAAGACAGCCGATCC 2046
Db TGAAGAGAGAGGACAGTAGACCTGAGTCTCTGAGGTGATGAAGACAGCCGATCC 1620
2047 TCCCTGAGCTCCGTTAGGAACCTGCAACAGCAGACACCTTGGAGCTCTGAGTTC 2106
Db TCCCTGAGCTCCGTTAGGAACCTGCAACAGCAGACACCTTGGAGCTCTGAGTTC 1680
2107 CGGCACAGTAGAGGCGCCGAAAGAGGACCTTCCATCTGATTCAGACACCTTCAA 2166
Db CGGCACAGTAGAGGCGCCGAAAGAGGACCTTCCATCTGATTCAGACACCTTCAA 1740
2167 GCTGCTTTTGTGTTTTTGTGTTTTGTAGATGGAGTCTCGTCTGTTCCCGAGGCTGGAGT 2226
Db GCTGCTTTTGTGTTTTTGTGTTTTGTAGATGGAGTCTCGTCTGTTCCCGAGGCTGGAGT 1800
2227 GCAGTGGCGAAATCCCTGCTCACTGCAGCCTCCGCTTCCCTGTTTCAAGCGATTCTCTTG 2286
Db GCAGTGGCGAAATCCCTGCTCACTGCAGCCTCCGCTTCCCTGTTTCAAGCGATTCTCTTG 1860
2287 CCTCAGCTTCCCGAGTAGCTGGGACACAGGTGCGCCGACACACCACTAATTTTGG 2346
Db CCTCAGCTTCCCGAGTAGCTGGGACACAGGTGCGCCGACACCACTAATTTTGG 1920
2347 TATTTTGTAGAGACAGGGTTTCCACATGTTGGCAGGCTGCTCTCAAAACCCCTGACCT 2406
Db TATTTTGTAGAGACAGGGTTTCCACATGTTGGCAGGCTGCTCTCAAAACCCCTGACCT 1980
2407 CAAATGATGTGCTGCTTCAAGCTTCCACAGTGTGGGATTACAGGATGGGCGCACACG 2466
Db CAAATGATGTGCTGCTTCAAGCTTCCACAGTGTGGGATTACAGGATGGGCGCACACG 2040

2467 CCTAGCCTCAGCTCCCTTTCTGATCTTCTACTAAGAACAAAGAGCAGCACTTGCAGG 2526
Db CCTAGCCTCAGCTCCCTTTCTGATCTTCTACTAAGAACAAAGAGCAGCACTTGCAGG 2100
2527 GCGGCTTTCCCACTGCTCATCTGTTTCTCTCCAGGGGTCTTGCAGAAATTCCTGACG 2586
Db GCGGCTTTCCCACTGCTCATCTGTTTCTCTCCAGGGGTCTTGCAGAAATTCCTGACG 2160
2587 AGATAAGCAGTTATGTGACCTCAGCTCAGCTGCAAGGCAACAAAGCAGCACTCAGAAAAAGCGCA 2646
Db AGATAAGCAGTTATGTGACCTCAGCTCAGCTGCAAGGCAACAAAGCAGCACTCAGAAAAAGCGCA 2220
2647 CCAGCCAGAGTGCAGAACTGCGAGTCACCTGCGAGTCTTCTCTAGGGACCCAGAACCA 2706
Db CCAGCCAGAGTGCAGAACTGCGAGTCACCTGCGAGTCTTCTCTAGGGACCCAGAACCA 2280
2707 AACCCACCTTTCTACTTCCAAAGACTTATTTTACATGTGGGAGGTTAATCTAGGAATG 2766
Db AACCCACCTTTCTACTTCCAAAGACTTATTTTACATGTGGGAGGTTAATCTAGGAATG 2340
2767 ACTCGTTTAAAGGCTATTTTCTATGATTTCTTTGAGCAATTTGGTGTGCTGACGTAATTG 2826
Db ACTCGTTTAAAGGCTATTTTCTATGATTTCTTTGAGCAATTTGGTGTGCTGACGTAATTG 2400
2827 TCCTTTGATTTCCAAATAATATGTTTCTTCCCTCATWRAAAAAAAGGAAAAAAR 2886
Db TCCTTTGATTTCCAAATAATATGTTTCTTCCCTCATWRAAAAAAAGGAAAAAAR 2460
2887 RMRR 2890
Db 2461 AAAA 2464

RESULT 3

US-10-295-027-737
; Sequence 737, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCES: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 1386

; SOFTWARE: PatentIn ver. 2.1

; SEQ ID NO 737

; LENGTH: 2468

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-295-027-737

Query Match 82.8%; Score 2441; DB 6; Length 2468;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2451; Conservative 9; Mismatches 4; Indels 3; Gaps 1;

QY	427	ACCGGGCACCGACCGCTGGGTACTTTCGTTCTTAATAGTCTATGCCCTACTATCTCTTCGGTGGT	486
DB	1	ACCGGGCACCGACCGCTGGGTACTTTCGTTCTTAATAGTCTATGCCCTACTATCTCTTCGGTGGT	60
QY	487	GGAAAGGGCTGTGTTTATGGGAAGCAGTAACACTGTGGCCCTACTATCTCTTCGGTGGT	546
DB	61	GGAAAGGGCTGTGTTTATGGGAAGCAGTAACACTGTGGCCCTACTATCTCTTCGGTGGT	120
QY	547	CCATCTACATTTTCCGACTCCGGAAATTATAGGTAGAGGTGGAGCGGAGCCGGATGTC	606
DB	121	CCATCTACATTTTCCGACTCCGGAAATTATAGGTAGAGGTGGAGCGGAGCCGGATGTC	180
QY	607	AGAGTCTGTAATAGTACCAATGGGGAATGATCCGCTGCTGTTGAAAGCCCCCTTC	666
DB	181	AGAGTCTGTAATAGTACCAATGGGGAATGATCCGCTGCTGTTGAAAGCCCCCTTC	240
QY	667	TCATTTCCGATCCCTTTTGGCCCTGATGATTTGAAATAAGTCCCTGTTGACACAGATGCA	726
DB	241	TCATTTCCGATCCCTTTTGGCCCTGATGATTTGAAATAAGTCCCTGTTGACACAGATGCA	300
QY	727	GATGCTGTGTGTCACAGATCCCTGTCACCTGTCGCAATGAAGTCTTTTCCAAATCATGTC	786
DB	301	GATGCTGTGTGTCACAGATCCCTGTCACCTGTCGCAATGAAGTCTTTTCCAAATCATGTC	360
QY	787	ATTGGATCATTTGCAATGATATAGCACTGGCCATTTGCTGGGCATCCACTTCGACTGC	846
DB	361	ATTGGATCATTTGCAATGATATAGCACTGGCCATTTGCTGGGCATCCACTTCGACTGC	420
QY	847	TCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGTGTATCGATCGATGTGAC	906
DB	421	TCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGTGTATCGATCGATGTGAC	480
QY	907	GGAGTCTCGGATTCGCAAGACGGGGAGGACGATACCGCTGTCTCCGGTGGGTGGTCA	966
DB	481	GGAGTCTCGGATTCGCAAGACGGGGAGGACGATACCGCTGTCTCCGGTGGGTGGTCA	540
QY	967	AATGCCGTGCTCCAGGTGTTACAGCTGCTTGTGGAAGACCATGTGCTCCGATGACTGG	1026
DB	541	AATGCCGTGCTCCAGGTGTTACAGCTGCTTGTGGAAGACCATGTGCTCCGATGACTGG	600
QY	1027	AGGGTCACTACGAAATGTCGCTGTCGCAACTGGGTTTCCCAAGCTATGTGAGTTCA	1086
DB	601	AGGGTCACTACGAAATGTCGCTGTCGCAACTGGGTTTCCCAAGCTATGTGAGTTCA	560
QY	1087	GATAAAGTACAGTGTGCTGAGGGGGGAGTTCGGGAGAGGTTTGTGTCATTCGAT	1146
DB	661	GATAAAGTACAGTGTGCTGAGGGGGGAGTTCGGGAGAGGTTTGTGTCATTCGAT	720
QY	1147	CACCTCTTGGCAGATGACAAAGTGTATGCACTACCACTCAGTATATGTAGGGAGGGA	1206
DB	721	CACCTCTTGGCAGATGACAAAGTGTATGCACTACCACTCAGTATATGTAGGGAGGGA	780
QY	1207	TGTGCTCTGGCCACGTTGTTACCTTGCAGTGCACAGCTGTGCTCATAGAGGGGCTAC	1266
DB	781	TGTGCTCTGGCCACGTTGTTACCTTGCAGTGCACAGCTGTGCTCATAGAGGGGCTAC	840
QY	1267	AGCTCACGATCCGTGGGTGGAACATGTCTTGTCTCTCGAGTGGCCCTGGCAGGCCAGC	1326
DB	841	AGCTCACGATCCGTGGGTGGAACATGTCTTGTCTCTCGAGTGGCCCTGGCAGGCCAGC	900

QY	1327	CTTCAGTTCAGGGCTACCACTGTGTGGGGGCTCTGTCTATCAGCCCTGTGTGATCATC	1386
DB	901	CTTCAGTTCAGGGCTACCACTGTGTGGGGGCTCTGTCTATCAGCCCTGTGTGATCATC	960
QY	1387	ACTGCTGCACACTGTGTTTATGACTTCTCTCCCAAGTCAATGAGCATCCAGCTGGGT	1446
DB	961	ACTGCTGCACACTGTGTTTATGACTTCTCTCCCAAGTCAATGAGCATCCAGCTGGGT	1020
QY	1447	CTAGTTCCTCTGTTGGACAATCCAGCCCATCCCACTTGTGTGGAGAAAGTTGTCTACAC	1506
DB	1021	CTAGTTCCTCTGTTGGACAATCCAGCCCATCCCACTTGTGTGGAGAAAGTTGTCTACAC	1080
QY	1507	AGCAAGTACAAAGCAAGAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCGGCCA	1566
DB	1081	AGCAAGTACAAAGCAAGAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCGGCCA	1140
QY	1567	CTCAGTTCATGAAATGATCCAGCCCTGTGTGCTGCTGCCCACTCTGAAGAACTTCCCC	1626
DB	1141	CTCAGTTCATGAAATGATCCAGCCCTGTGTGCTGCTGCCCACTCTGAAGAACTTCCCC	1200
QY	1627	GATGAAAGTGTCTGGACGTCAAGATGGGGGGCCACAGAGGATGG---AGGTGACGCC	1683
DB	1201	GATGAAAGTGTCTGGACGTCAAGATGGGGGGCCACAGAGGATGGAGAGGTGACGCC	1260
QY	1684	TCCCTGTCTGTAACCAAGCGGCCGCTCTTTTGTATTTTCAAAGATCTGCAACACAGG	1743
DB	1261	TCCCTGTCTGTAACCAAGCGGCCGCTCTTTTGTATTTTCAAAGATCTGCAACACAGG	1320
QY	1744	GACGTGTACGTTGGCATCATCTCCCTCTCATGCTCTGCGGGGCTACTGACGGGTGCG	1803
DB	1321	GACGTGTACGTTGGCATCATCTCCCTCTCATGCTCTGCGGGGCTACTGACGGGTGCG	1380
QY	1804	GTGACAGCTCCAGGGGGACAGCGGGGGCCCTCTGTGTCTCAAGAGAGGAGGCTGTGG	1863
DB	1381	GTGACAGCTCCAGGGGGACAGCGGGGGCCCTCTGTGTCTCAAGAGAGGAGGCTGTGG	1440
QY	1864	AAGTTAGTGGAGCGACAGCTTTGGCATTCGGCTGCGCAGAGGTGAAACAAGCTGGGGTG	1923
DB	1441	AAGTTAGTGGAGCGACAGCTTTGGCATTCGGCTGCGCAGAGGTGAAACAAGCTGGGGTG	1500
QY	1924	TACACCTGTGACCTCTCTTGGAGTCCAGAGCAGATCCAGAGCAGATGGAGAGACCTTAAA	1983
DB	1501	TACACCTGTGACCTCTCTTGGAGTCCAGAGCAGATGGAGAGACCTTAAA	1560
QY	1984	ACCTGAAAGGAAGGGGACAAAGTACCACTGAGTTCCTGAGGTGATGAAGACAGCCGA	2043
DB	1561	ACCTGAAAGGAAGGGGACAAAGTACCACTGAGTTCCTGAGGTGATGAAGACAGCCGA	1620
QY	2044	TCCTCCCTGTGACTCCCGTGTAGGAACTGCAACAGCAGACACCTTGGAGCTCTGAG	2103
DB	1621	TCCTCCCTGTGACTCCCGTGTAGGAACTGCAACAGCAGACACCTTGGAGCTCTGAG	1680
QY	2104	TTCCGGCAACAGTACAGCCCGGAAAGAGGCACTTCCATCTGATTTCCAGCAACCTTT	2163
DB	1681	TTCCGGCAACAGTACAGCCCGGAAAGAGGCACTTCCATCTGATTTCCAGCAACCTTT	1740
QY	2164	CAAGCTGCTTTTGTGTTTGTGAGATGAGTCTCGCTCTGTTGCCAGGCTCG	2223
DB	1741	CAAGCTGCTTTTGTGTTTGTGAGATGAGTCTCGCTCTGTTGCCAGGCTCG	1800
QY	2224	AGTGCAGTGGGCAAAATCCCTGCTCACTGCAGCTCCGCTTCCCTGTTCAAGGATTCCTC	2283
DB	1801	AGTGCAGTGGGCAAAATCCCTGCTCACTGCAGCTCCGCTTCCCTGTTCAAGGATTCCTC	1860
QY	2284	TTGCTCTAGCTTTCCCAAGTGTGGGACCAAGAGTGGCGGCCCAACCACTCAATTTT	2343
DB	1861	TTGCTCTAGCTTTCCCAAGTGTGGGACCAAGAGTGGCGGCCCAACCACTCAATTTT	1920
QY	2344	TTGTATTTTGTAGTACAGAGGCTTTTCACTGTTGGCCAGGCTGTCTCTCAAAACCCCTGA	2403
DB	1921	TTGTATTTTGTAGTACAGAGGCTTTTCACTGTTGGCCAGGCTGTCTCTCAAAACCCCTGA	1980
QY	2404	CCTCAAAATGATGTGCTGCTTCCAGCTCCCAAGTGTGGGATTTACAGGCAATGGGCCACC	2463

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 Db 961 ACTGCTGCACACTGTGTTTATGACTGTGACCTCCCAAGTCTATGACCATCCAGTGGGT 1020
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 Db 1081 AGCAAGTACAAGCAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCA 1140
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 Db 1141 CTCAGTTCAATGAATGATCCAGCTGTGTCCTGCTGCGCCCACTCTGAAGAACTTTCC 1200
 Qy 1627 GATGAAAGTGTGCTGGACGTGAGATGGGGGGCCACAGAGGATGG--AGGTGACGCC 1683
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 Db 1501 TACACCGTGTCACTCTCTGACTGGATCCAGAGCAGATGGAGAGAGACCTTAAA 1560
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 Db 1561 ACTGAAAGGAGGGGACAGTAGCCACTGAGTTCTGAGTGATGAAGACAGCCGGA 1620
 Qy 2044 TCCCTCCCTGGACTCCCGTGTAGGAACCTGCAACAGAGCAGACACCTTTGAGCTGTAG 2103
 Db 1621 TCCCTCCCTGGACTCCCGTGTAGGAACCTGCAACAGAGCAGACACCTTTGAGCTGTAG 1680
 Qy 2104 TCCCGGACAGTAGAGGCCGGAAGAGGACCCCTTCCATCTGATTCAGCAGAACCTT 2163
 Db 1681 TCCCGGACAGTAGAGGCCGGAAGAGGACCCCTTCCATCTGATTCAGCAGAACCTT 1740
 Qy 2164 CAAGCTGCTTTTGTGTTTGTGTTTGTGAGATGAGTCTGCTGTTGGCCAGGCTGG 2223
 Db 1741 CAAGCTGCTTTTGTGTTTGTGTTTGTGAGTGGATCTGCTGTTGGCCAGGCTGG 1800
 Qy 2224 AGTGAGTGGGAAATCCCTGCTCACTGAGCCTCGCTTCCCTGTTCCAGCGATTC 2283
 Db 1801 AGTGAGTGGGAAATCCCTGCTCACTGAGCCTCGCTTCCCTGTTCCAGCGATTC 1860
 Qy 2284 TTGCTCAGCTTCCCGAGTAGTGGGACCAAGGTGCGCGCCACACACCCAACTAATTT 2343
 Db 1861 TTGCTCAGCTTCCCGAGTAGTGGGACCAAGGTGCGCGCCACACACCCAACTAATTT 1920
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 Qy 2404 CCTCAAAATGATGTCCTGCTTTCAGCTTCCACAGTGTGGGATTTACAGGCAATGGCCACC 2463
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 Db 2041 AGCCTAGCTCAGCTTCTCTTTCATGATCTTCACTAAGAAACAAAGAGAGCAGCAACTTGA 2100
 Qy 2524 AGGCGGCTTCCCACTGCTGCTGCTTCTCTCCAGGGGTCTTGCAGAAATTCCTG 2583
 Db 2101 AGGCGGCTTCCCACTGCTGCTGCTTCTCTCCAGGGGTCTTGCAGAAATTCCTG 2160
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 Db 2161 ACAGATAAGCAGTTATGTGACCTCAGCTGCAAGCCACCAACAGCCACTCAGAAAAAGAC 2220
 Qy 2644 GCACAGCCCAAGAGTGCAGAACTGCAGTCACTGCTTTTTCATCTCTAGGGACAGAA 2703
 Db 2221 GCACAGCCCAAGAGTGCAGAACTGCAGTCACTGCTTTTTCATCTCTAGGGACAGAA 2280
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 Db 2281 CCAAAACCCCTTCTACTTCCAGACTTATTTTTCATGATTTTGTAGCATTTGGTCTTGA 2340
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 Db 2461 AAAAAA 2467

RESULT 5
 US-10-295-027-820
 ; Sequence 820, Application US/10295027
 ; Publication No. US20030232350A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Afar, Daniel
 ; APPLICANT: Aziz, Natasha
 ; APPLICANT: Ginsberg, Wendy M.
 ; APPLICANT: Gish, Kurt C.
 ; APPLICANT: Glynn, Richard
 ; APPLICANT: Hevezi, Peter A.
 ; APPLICANT: Mack, David H.
 ; APPLICANT: Murray, Richard
 ; APPLICANT: Watson, Susan R.
 ; APPLICANT: Eos Biotechnology, Inc.
 ; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
 ; FILE REFERENCE: 018501-012500US
 ; CURRENT APPLICATION NUMBER: US/10/295,027
 ; CURRENT FILING DATE: 2002-11-13
 ; PRIOR APPLICATION NUMBER: US 09/663,733
 ; PRIOR FILING DATE: 2000-09-15
 ; PRIOR APPLICATION NUMBER: US 60/350,666
 ; PRIOR FILING DATE: 2001-11-13
 ; PRIOR APPLICATION NUMBER: US 60/335,394
 ; PRIOR FILING DATE: 2001-11-15
 ; PRIOR APPLICATION NUMBER: US 60/332,464
 ; PRIOR FILING DATE: 2001-11-21
 ; PRIOR APPLICATION NUMBER: US 60/334,393
 ; PRIOR FILING DATE: 2001-11-29
 ; PRIOR APPLICATION NUMBER: US 60/340,376
 ; PRIOR FILING DATE: 2001-12-14
 ; PRIOR APPLICATION NUMBER: US 60/347,211
 ; PRIOR FILING DATE: 2002-01-08

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; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 820
; LENGTH: 2468
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-820

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QY 2404 CUTCATAATGATGCTGCTGCTCAGCTCCACAGTGTGGGATTAACAGGCAATGGGCCACC 2463
DB 1981 CCTCAATGATGCTGCTGCTCAGCTCCACAGTGTGGGATTAACAGGCAATGGGCCACC 2040
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DB 2041 AGCCTAGCTCAGCTGCTTCTCTGATCTTCACTAAGAACAAAGAGCAGCACTTGA 2100
QY 2524 AGGCGGCTTTCCCACTGGTCCATCTGTTTCTCTCAGGGTCTTGCATAATTCCTG 2583
DB 2101 AGGCGGCTTTCCCACTGGTCCATCTGTTTCTCTCAGGGTCTTGCATAATTCCTG 2160
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DB 2161 ACGAGTAAGCAGTTATGTGACCTCAGCTGCAAGGCCACCAACGCCACTCAGAAAGAC 2220
QY 2644 GCACAGCCGAGAGTGAGAACTGAGTCACTGACGCTTTCATCTCTAGGGACAGAA 2703
DB 2221 GCACAGCCGAGAGTGAGAACTGAGTCACTGACGCTTTCATCTCTAGGGACAGAA 2280
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RESULT 6
US-10-295-027-858
; Sequence 858, Application US/10295027
; Publication No. US2003023350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
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; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 858
; LENGTH: 2468
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-858
Query Match 82.8%; Score 2441; DB 6; Length 2468;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2451; Conservative 9; Mismatches 4; Indels 3; Gaps 1;
QY 427 ACCGGGACCGGACGGCTCGGGTACTTTCTTAAATTAGTGCATGCCGTATGAGCCA 486
DB 1 ACCGGGACCGGACGGCTCGGGTACTTTCTTAAATTAGTGCATGCCGTATGAGCCA 60
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DB 61 GGAAGGGCTGTGTTTATGGGAAGCCAGTAACACTGTGCGCTACTATCTCTTCCGTGGTG 120
QY 547 CCATCTACATTTTGGGACTCGGGAAATTATGAGGTAGAGGTGAGGCGGAGCGGATGTC 606
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DB 181 AGAGTCTCTGAATAGTCAACATGGGGAAATGATCGCCCTGCTGTTGAAGCCCTTTC 240
QY 667 TCATTCCGATCGCTTTTGGGCTTGATGATTTGAAATAAGTCTCTGTTGCACAGATGCA 726
DB 241 TCATTCCGATCGCTTTTGGGCTTGATGATTTGAAATAAGTCTCTGTTGCACAGATGCA 300
QY 727 GATGCTGTGTGTCACAGATCTGTCACTGTGCCATTAAGTGTGTTTTCATCATCTGTC 786
DB 301 GATGCTGTGTGTCACAGATCTGTCACTGTGCCATTAAGTGTGTTTTCATCATCTGTC 360
QY 787 ATTGGGATCATTTGATGATTAATAGTGTGCTGGGATTCCTGGGATTCACATTCGACTGC 846
DB 361 ATTGGGATCATTTGATGATTAATAGTGTGCTGGGATTCCTGGGATTCACATTCGACTGC 420
QY 847 TCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGAC 906
DB 421 TCAGGGAAGTACAGATGTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCGATGTGAC 480
QY 907 GGAGTCTCGGATTCGAAAGACGGGGAGGACGAGTACCGCTGTGTCCGGGTGGGTGTCAG 966
DB 481 GGAGTCTCGGATTCGAAAGACGGGGAGGACGAGTACCGCTGTGTCCGGGTGGGTGTCAG 540
QY 967 AATCCGTGCTCCAGGTGTTACAGCTGCTTCTGGAGAACCATGCTCCGATGACTCG 1026
DB 541 AATCCGTGCTCCAGGTGTTACAGCTGCTTCTGGAGAACCATGCTCCGATGACTCG 600
QY 1027 AAGGGTCTACTACGCAAAATGTTCCCTGTGCCCCTGTTTCCCAAGCTATGTGACTTCA 1086
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QY 1087 GATAACCTCAGAGTGTGCTGCTGGAGGGGCAATTCGGGAGGAGTTTGTGTCATCGAT 1146
DB 661 GATAACCTCAGAGTGTGCTGCTGGAGGGGCAATTCGGGAGGAGTTTGTGTCATCGAT 720
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DB 721 CACCTCTTGGCCAGATGACAAGGTGACTGATTAACCACTCATGATATATGTGAGGGGGA 780
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Qy	1207	TGTGCCTCTGGCCACGTGGTTACCTTTCAGTGCACAGCCTGTGTGTCATAGAAGGGGCTAC	1266
Db	781	TGTGCCTCTGGCCACGTGGTTACCTTTCAGTGCACAGCCTGTGTGTCATAGAAGGGGCTAC	840
Qy	1267	AGCTCAGCATCTGTGGGTGGAAACATGTCTTGTCTTCGACGTGGCCCTGGCAGGCCAGC	1326
Db	841	AGCTCAGCATCTGTGGGTGGAAACATGTCTTGTCTTCGACGTGGCCCTGGCAGGCCAGC	900
Qy	1327	CTTCAGTTTCAGGGCTACCACTGTGCGGGGGCTGTGTATCATCGCCCTCTGTGATCATC	1386
Db	901	CTTCAGTTTCAGGGCTACCACTGTGCGGGGGCTGTGTATCATCGCCCTCTGTGATCATC	960
Qy	1387	ACTGCTGCACACTGTGTTTATGACTTGTACCTCCCAAGTCATGGACCATCCAGGTGGGT	1446
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Db	1021	CTAGTTTCCCTGTGGACAAATCCAGCCCCCATCCACTTGGTGGAGAAAGATTGTCTACCA	1080
Qy	1507	AGCAAGTACAAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCA	1566
Db	1081	AGCAAGTACAAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCA	1140
Qy	1567	CTCAGGTTCAATGAAATGATCCAGCTGTGTGCTGCCCACTCTGAAGAGAACTTCCCC	1626
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Db	1501	TACACCGGTGTCACTCTCTTGACTGTGANTCCACGACGATGGAGAGAGACTTAAAA	1560
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Qy	2104	TTCCGGACACGATAGCAGGCCGGAAGAGGGACCCCTTCATCTGATTTCCAGCACACCTT	2163
Db	1681	TTCCGGACACGATAGCAGGCCGGAAGAGGGACCCCTTCATCTGATTTCCAGCACACCTT	1740
Qy	2164	CAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGATGGAGTCTCGCTCTGTGTCAGGCTGG	2223
Db	1741	CAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGTGGAGTCTCGCTCTGTGTCAGGCTGG	1800
Qy	2224	AGTGCAGTGGCAAAATCCCTGCTCACTGCAGCCTCCGCTTCCCTGGTTCAAGCGATTCTC	2283
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Db 61 GGAAGGGCTGTGTTATGGGAAGCCAGTAACA CTGTGGCCCTACTATCTCTTCGGTGGTG 120
Qy 547 CCATCTACATTTTGGGACTCGGGAATTAATGAGGTAGAGGTGGAGGGCGGAGCCCGGATGTC 606
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Qy 607 AGAGTCTCGAATAGTACCAATGAGGGGAAATGATCCGCTGTCTGTTGAAAGCCCTTC 666
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Qy 1267 AGCTACGCAATCGTGGGTGGAAACATGTCCTTGTCTCCAGTGGCCCTGGCAGGCCAGC 1326
Db 841 AGCTACGCAATCGTGGGTGGAAACATGTCCTTGTCTCCAGTGGCCCTGGCAGGCCAGC 900
Qy 1327 CTTTCAGTTCACGGCTTACCACTGTGCGGGGCTCTGTATCATACGCGCCCTGTGGATCATC 1386
Db 901 CTTTCAGTTCACGGCTTACCACTGTGCGGGGCTCTGTATCATACGCGCCCTGTGGATCATC 960
Qy 1387 ACTGCTGCACTGTGTTATGACTTGTACTCTCCCAAGTCAATGGAACCATTCAGGTGGGT 1446
Db 961 ACTGCTGCACTGTGTTATGACTTGTACTCTCCCAAGTCAATGGAACCATTCAGGTGGGT 1020
Qy 1447 CTAGTTTCCCTGTTGACAAATCCAGCCCATCCACTTGGTGGAGAGATTGCTTACCAC 1506
Db 1021 CTAGTTTCCCTGTTGACAAATCCAGCCCATCCACTTGGTGGAGAGATTGCTTACCAC 1080
Qy 1507 AGCAAGTACAGCCAAAGAGGCTGGGCAATGATCGCCCTTATGAAGCTGGCCGGGCCA 1566
Db 1081 AGCAAGTACAGCCAAAGAGGCTGGGCAATGATCGCCCTTATGAAGCTGGCCGGGCCA 1140

Qy 1567 CTCAAGTTCAATGAAATGATTCAGCCTGTGTGCTGCCAACTCTGAAGAGAACTTCCCC 1626
Db 1141 CTCAAGTTCAATGAAATGATTCAGCCTGTGTGCTGCCAACTCTGAAGAGAACTTCCCC 1200
Qy 1627 GATGAAAGTGTCTCTGAGTGTAGGATGGGGGCGACAGAGATGG---AGGTGACGCC 1683
Db 1201 GATGAAAGTGTCTCTGAGTGTAGGATGGGGGCGACAGAGATGGAGCAGGTGACGCC 1260
Qy 1684 TCCCTGTCTGAACACACGGGCGCTCCCTTGTGATTTCCAAAGATCTGCAACACACAGG 1743
Db 1261 TCCCTGTCTCTGAACACACGGGCGCTCCCTTGTGATTTCCAAAGATCTGCAACACAGG 1320
Qy 1744 GACGTGTACGCTGGCATCATCTCCCTCCATGCTCTGCGGGGCTACCTGACGGGTGGC 1803
Db 1321 GACGTGTACGCTGGCATCATCTCCCTCCATGCTCTGCGGGGCTACCTGACGGGTGGC 1380
Qy 1804 GTGACAGCTGCCAGGGGAGACAGGGGGGCGCTGTGTGTCAAGAGAGAGGCTGTGG 1863
Db 1381 GTGACAGCTGCCAGGGGAGACAGGGGGGCGCTGTGTGTCAAGAGAGAGGCTGTGG 1440
Qy 1864 AAGTTAGTGGAGAGACAGCAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCTGGGGTG 1923
Db 1441 AAGTTAGTGGAGAGACAGCAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCTGGGGTG 1500
Qy 1924 TACACCCGTGTCACTCTCTCTGAGACTGGATCCAAGAGCAGATGGAGAGAGACTTAAAA 1983
Db 1501 TACACCCGTGTCACTCTCTCTGAGACTGGATCCAAGAGCAGATGGAGAGAGACTTAAAA 1560
Qy 1984 ACCTGAAAGAAAGGGGACAAAGTACCACTGAGTCTCTGAGGTGATGAAGACAGCCGA 2043
Db 1561 ACCTGAAAGAAAGGGGACAAAGTACCACTGAGTCTCTGAGGTGATGAAGACAGCCGA 1620
Qy 2044 TCCTCCCTGACACTCCGTGTAGGAACCTGCACAGCAGACACCTTTGAGACTCTGAG 2103
Db 1621 TCCTCCCTGACACTCCGTGTAGGAACCTGCACAGCAGACACCTTTGAGACTCTGAG 1680
Qy 2104 TTCCGGCACCACTAGCAGGCCCGAAAGAGGACCCCTTCCATCTGATCCAGCAACCTTT 2163
Db 1681 TTCCGGCACCACTAGCAGGCCCGAAAGAGGACCCCTTCCATCTGATCCAGCAACCTTT 1740
Qy 2164 CAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGATGAGTCTCGCTGTGTGCCAGGCTGG 2223
Db 1741 CAAGCTGCTTTTGTGTTTTTGTGTTTTTGTGAGTGTGAGTCTCGCTGTGTGCCAGGCTGG 1800
Qy 2224 AGTCAGTGGCGAATCCCTGCTCACTGACGCTCCGCTTCCCTGGTTCAAGCGATTCTC 2283
Db 1801 AGTCAGTGGCGAATCCCTGCTCACTGACGCTCCGCTTCCCTGGTTCAAGCGATTCTC 1860
Qy 2284 TTGCTCTCAGCTTCCCAGTAGCTGGGACCAAGAGTGGCCGCCACACACCCAACTTAA 2343
Db 1861 TTGCTCTCAGCTTCCCAGTAGCTGGGACCAAGAGTGGCCGCCACACACCCAACTTAA 1920
Qy 2344 TTGTAATTTTGTAGTAGAGACAGGTTTTCACATTTGTTGGCAGGCTGTCTCAAAACCCCTGA 2403
Db 1921 TTGTAATTTTGTAGTAGAGACAGGTTTTCACATTTGTTGGCAGGCTGTCTCAAAACCCCTGA 1980
Qy 2404 CCTCAATGATGTGCTGCTTTCAGCTCCCAAGTGTGGGATACAGCAGTGGGCCACC 2463
Db 1981 CCTCAATGATGTGCTGCTTTCAGCTCCCAAGTGTGGGATACAGCAGTGGGCCACC 2040
Qy 2464 AGCCCTAGCTTCCAGCTCCTTTCTGATCTTCACTAAGAAACAAAAGAGCAGCAACTTGA 2523
Db 2041 AGCCCTAGCTTCCAGCTCCTTTCTGATCTTCACTAAGAAACAAAAGAGCAGCAACTTGA 2100
Qy 2524 AGGGGGGCTTTCCCACTGGTCCATCTGGTTTTCTCTCAGGGGTCTTCAAAATTCCTG 2583
Db 2101 AGGGGGGCTTTCCCACTGGTCCATCTGGTTTTCTCTCAGGGGTCTTCAAAATTCCTG 2160
Qy 2584 ACGAGATAGCAGTTATGTGACTCTACGTGCAAGGCCAACACGCACTCTCAGAAAGAC 2643
Db 2161 ACGAGATAGCAGTTATGTGACTCTACGTGCAAGGCCAACACGCACTCTCAGAAAGAC 2220

Qy 2644 GCACAGCCAGAAAGTGCAGAACTGCAGTCACTGACAGTCTTCTATCTTAGGACCAGAA 2703
Db 2221 GCACAGCCAGAAAGTGCAGAACTGCAGTCACTGACAGTCTTCTATCTTAGGACCAGAA 2280
Qy 2704 CCAAACCCACCCCTTCTACTCTTCCAAAGACTTAATTTTCAATGCGGAGGTTAAATCTAGGA 2763
Db 2281 CCAAACCCACCCCTTCTACTCTTCCAAAGACTTAATTTTCAATGCGGAGGTTAAATCTAGGA 2340
Qy 2764 ATGACTCGTTTAAAGCCCTATTCTTCAATGATTTCTTTTGTAGCAATTTGGTCTTGACGTATTA 2823
Db 2341 ATGACTCGTTTAAAGCCCTATTCTTCAATGATTTCTTTTGTAGCAATTTGGTCTTGACGTATTA 2400
Qy 2824 TTGTCTTTGATTCCAAATAATATGTTTCTTCTTCCCTCATWRAAAMAAAAAATAAAAAA 2883
Db 2401 TTGTCTTTGATTCCAAATAATATGTTTCTTCTTCCCTCAAATAAATAAAAAAATAAAAAA 2460
Qy 2884 ARRMRR 2890
Db 2461 AAAAAA 2467

RESULT 8
US-10-956-157-2431
; Sequence 2431, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; FILE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956.157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2431
; LENGTH: 2468
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-956-157-2431

Query Match 82.8%; Score 2441; DB 9; Length 2468;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2451; Conservative 9; Mismatches 4; Indels 3; Gaps 1;

Qy 427 ACCGGGACCGGACCGCTCGGGTACTTTTCGTTCTTAAATTAGGTCAATGCCCGTGTGAGCCA 486
Db 1 ACCGGGACCGGACCGCTCGGGTACTTTTCGTTCTTAAATTAGGTCAATGCCCGTGTGAGCCA 60
Qy 487 GGAAAGGGCTGTGTTTATGGGAAGCCAGTAACACTGTGGCTACTATCTTTCGTTGGTG 546
Db 61 GGAAAGGGCTGTGTTTATGGGAAGCCAGTAACACTGTGGCTACTATCTTTCGTTGGTG 120
Qy 547 CCATCTACATTTTGGGACTCGGAAATTATGAGGTAGAGGTGAGGCGGAGCCCGATGTC 606
Db 121 CCATCTACATTTTGGGACTCGGAAATTATGAGGTAGAGGTGAGGCGGAGCCCGATGTC 180
Qy 607 AGAGTCTGTAATAGTCAACATGGGGAATAATCGCTGCTGTGTGAAGCCCCCTTC 666
Db 181 AGAGTCTGTAATAGTCAACATGGGGAATAATCGCTGCTGTGTGAAGCCCCCTTC 240
Qy 667 TCATTCCGATCGCTTTTGGCTTGATGATTTGAATAATAGTCTGTTGCAACCATGCA 726
Db 241 TCATTCCGATCGCTTTTGGCTTGATGATTTGAATAATAGTCTGTTGCAACCATGCA 300
Qy 727 GATGCTGTGTCACAGATCTGTCACCTGCTGCATTGAAGTTTTCATCATCGTC 786
Db 301 GATGCTGTGTCACAGATCTGTCACCTGCTGCATTGAAGTTTTCATCATCGTC 360
Qy 787 ATTGGGATCATTTGATTAATAGCACTGCCATTTGGTCTGGGCATCCACTTCGACTGC 846
Db 361 ATTGGGATCATTTGATTAATAGCACTGCCATTTGGTCTGGGCATCCACTTCGACTGC 420

Qy 847 TCAGGGAAGTACAGATGTGCTCTCATCTCTTAAAGTGTATCGAGCTGATAGCTCGATGTGAC 906
Db 421 TCAGGGAAGTACAGATGTGCTCTCATCTCTTAAAGTGTATCGAGCTGATAGCTCGATGTGAC 480
Qy 907 GGAGTCTCGAATTGCAAAAGACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGAG 966
Db 481 GGAGTCTCGAATTGCAAAAGACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGAG 540
Qy 967 AATGCCGTGCTCCAGGTGTTTCAAGCTGCTTCTGCGGAAGACCATGTGCTCCGATGACTGG 1026
Db 541 AATGCCGTGCTCCAGGTGTTTCAAGCTGCTTCTGCGGAAGACCATGTGCTCCGATGACTGG 600
Qy 1027 AAGGCTCACTACGCAAAATGTTGCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTCA 1086
Db 601 AAGGCTCACTACGCAAAATGTTGCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTCA 660
Qy 1087 GATAAACCTCAGAGTGAAGTCTGCTGGAGGGGACAGTTCCGGGAGGAGTTTGTGTCCATCGAT 1146
Db 661 GATAAACCTCAGAGTGAAGTCTGCTGGAGGGGACAGTTCCGGGAGGAGTTTGTGTCCATCGAT 720
Qy 1147 CACCTCTTGCAGATGACAAGGTGACTGCATTACACCACTCAGTATATGTGAGGAGGGA 1206
Db 721 CACCTCTTGCAGATGACAAGGTGACTGCATTACACCACTCAGTATATGTGAGGAGGGA 780
Qy 1207 TGTGCTCTGCGCCACAGTGTGTTACCTTCAGTGCACAGCCTGTGTGCATAGAAAGGGCTAC 1266
Db 781 TGTGCTCTGCGCCACAGTGTGTTACCTTCAGTGCACAGCCTGTGTGCATAGAAAGGGCTAC 840
Qy 1267 AGCTCAGCATCTGTTGGTGGAAACAATGCTCTTCTCGCAGTGGGCCCTTGGCAGGCCAGC 1326
Db 841 AGCTCAGCATCTGTTGGTGGAAACAATGCTCTTCTCGCAGTGGGCCCTTGGCAGGCCAGC 900
Qy 1327 CTTGAGTTCAGGGCTACACCTGTGCGGGGGCTGTGTATCAGCCCTCTGTGATCATC 1386
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Qy 1387 ACTGCTGCACACTGTGTTTATGACTTGTACTCTCCCAAGTCAATGACCATCCAGTGGT 1446
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Db 1081 AGCAAGTACAAAGCAAGAGGCTGGGCAATGACATGCCCTTATGAAGCTGGCCGGGCCA 1140
Qy 1567 CTCAAGTTCAATGAATGATTCAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCC 1626
Db 1141 CTCAAGTTCAATGAATGATTCAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCC 1200
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Db 1201 GATGGAAAAGTGTGCTGGACGTGAGATGGGGGGCCACAGAGGATGGAGAGGTGACGCC 1260
Qy 1684 TCCCTGTCTCGAAACACGCGGGCGTCCCTTTGATTTCCTCAAGATCTGCAACACAGG 1743
Db 1261 TCCCTGTCTCGAAACACGCGGGCGTCCCTTTGATTTCCTCAAGATCTGCAACACAGG 1320
Qy 1744 GAGTGTACGGTGCATCATCTCCCTCCATGCTCTGCGGGGCTACCTGACGGGTGGC 1803
Db 1321 GAGTGTACGGTGCATCATCTCCCTCCATGCTCTGCGGGGCTACCTGACGGGTGGC 1380
Qy 1804 GTGGACAGCTGCCAGGGGGACAGCGGGGGCCCTTGTGTGTCAAGAGAGAGGCTGTGG 1863
Db 1381 GTGGACAGCTGCCAGGGGGACAGCGGGGGCCCTTGTGTGTCAAGAGAGAGGCTGTGG 1440
Qy 1864 AAGTGTGGGAGGACAGCTTTGGCATCGGCTGTGCGCAGAGGTGAACAAGCCCTGGGGTG 1923
Db 1441 AAGTGTGGGAGGACAGCTTTGGCATCGGCTGTGCGCAGAGGTGAACAAGCCCTGGGGTG 1500
Qy 1924 TACACCGTGTACCTCTCTCTGGACTGTGATCCACGAGCAGATGGAGAGAGACCTAAAA 1983

Db 541 AGCTGCTTCGTGGAAGACCATTGTGCTCCGATGACTGGAAAGGCTCACTACGCCAAATGTTGC 600
Qy 1050 CTGTGCCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATTAACCTCAGAGTGAGCTCGCT 1109
Db 601 CTGTGCCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATTAACCTCAGAGTGAGCTCGCT 660
Qy 1110 GGAGGGGAGTTTCGGGAGGAGTTTGTGTCATCGATCACCTCTTGGCCAGATCAAGGT 1169
Db 661 GGAGGGGAGTTTCGGGAGGAGTTTGTGTCATCGATCACCTCTTGGCCAGATCAAGGT 720
Qy 1170 GACTGCATTACACCACTCAGTATATGTGAGGGAGGATGTCCTCTGGCCACGCTGGTTAC 1229
Db 721 GACTGCATTACACCACTCAGTATATGTGAGGGAGGATGTCCTCTGGCCACGCTGGTTAC 780
Qy 1230 CTTGAGTGCAAGCTGTGTCATAGAAAGGGGCTACAGTCAACGATCGTGGGTGAAA 1289
Db 781 CTTGAGTGCAAGCTGTGTCATAGAAAGGGGCTACAGTCAACGATCGTGGGTGAAA 840
Qy 1290 CATGTCCTTGTCTCGCAGTGGCCCTGGCAGGCCAGCTTCAGTTCGAGGGCTACCACT 1349
Db 841 CATGTCCTTGTCTCGCAGTGGCCCTGGCAGGCCAGCTTCAGTTCGAGGGCTACCACT 900
Qy 1350 GTGGGGGGCTCTGTCTACAGCCCTGTGTGATCATCACTGTCACACTGTGTTATGA 1409
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Qy 1410 CTTGTACTCTCCCAAGTATGGAACATCCAGGTGGGTCTAGTTTCCCTGTTGGACAATCC 1469
Db 961 CTTGTACTCTCCCAAGTATGGAACATCCAGGTGGGTCTAGTTTCCCTGTTGGACAATCC 1020
Qy 1470 AGCCCCATCCACTTGTGGAGAGATTGTCTACACAGCAAGTACAAAGCAAGAGGCT 1529
Db 1021 AGCCCCATCCACTTGTGGAGAGATTGTCTACACAGCAAGTACAAAGCAAGAGGCT 1080
Qy 1530 GGGCAATGACATCCCTCTTATGAAGCTGGCGGGCCACTCACAGTTCAATGAATGATCCA 1589
Db 1081 GGGCAATGACATCCCTCTTATGAAGCTGGCGGGCCACTCACAGTTCAATGAATGATCCA 1140
Qy 1590 GCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGACGTC 1649
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Qy 1650 AGGATGGGGGCCACAGAGATGAGTGAAGCTCCCTCCCTGCTGTAACCAAGCGGGCGGT 1709
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Qy 1710 CCCTTTGATTTCCAAACAGATCTGAAACCAAGGAGCTGTACCGTGGCATCATCTCCCC 1769
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Qy 1770 CTCATGCTCTGCGGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGACAGCGG 1829
Db 1321 CTCATGCTCTGCGGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGACAGCGG 1380
Qy 1830 GGGGCCCCCTGGTGTCAAGAGAGAGGCTGTGAAGTTAGTGGAGCGGACCGCTTTGG 1889
Db 1381 GGGGCCCCCTGGTGTCAAGAGAGAGGCTGTGAAGTTAGTGGAGCGGACCGCTTTGG 1440
Qy 1890 CATCGGCTGGCAGAGTGAACAGCTGGGGTGTACACCGTGTCACTCTCTCTCTGGA 1949
Db 1441 CATCGGCTGGCAGAGTGAACAGCTGGGGTGTACACCGTGTCACTCTCTCTCTGGA 1500
Qy 1950 CTGATCCAGCAGATGGAGAGAGCTTAAACCTGTAAGAAAGGAAAGGGGACAAAGTAGC 2009
Db 1501 CTGATCCAGCAGATGGAGAGAGCTTAAACCTGTAAGAAAGGAAAGGGGACAAAGTAGC 1560
Qy 2010 CACTGAGTTCTGAGGTGATGAAGACAGCCGATCTCCCTGGACTCCCGTGTAGAA 2069
Db 1561 CACTGAGTTCTGAGGTGATGAAGACAGCCGATCTCCCTGGACTCCCGTGTAGAA 1620
Qy 2070 CCTGCACAGCAGACACCTTGGAGCTCTGAGTTCCGGCACCAGTAGCAGGCCCCGAAA 2129
Db 1621 CCTGCACAGCAGCAGACACCTTGGAGCTCTGAGTTCCGGCACCAGTAGCAGGCCCCGAAA 1680

Qy 2130 GAGSCACCTTCCATCTGATTCAGACAAACCTTCAAGCTGCTTTTGTGTTTTGTTTTT 2189
Db 1681 GAGSCACCTTCCATCTGATTCAGACAAACCTTCAAGCTGCTTTTGTGTTTTGTTTTT 1740
Qy 2190 TTGAGATGGAGTCTCGCTCTGTTGGCCAGGCTGAGTGCGAGAAATCCCTGCTCAC 2249
Db 1741 TTGAGATGGAGTCTCGCTCTGTTGGCCAGGCTGAGTGCGAGAAATCCCTGCTCAC 1800
Qy 2250 TGCAGCCTCCGCTTCCCTGGTTCAAGCGATTCTCTTGCCTCAGCTTCCCAGTAGCTGGG 2309
Db 1801 TGCAGCCTCCGCTTCCCTGGTTCAAGCGATTCTCTTGCCTCAGCTTCCCAGTAGCTGGG 1860
Qy 2310 ACCACAGGTGCCGCCACACACCCAACTAATTTTGTATTTTGTAGTAGAGACAGGGTTT 2369
Db 1861 ACCACAGGTGCCGCCACACACCCAACTAATTTTGTATTTTGTAGTAGAGACAGGGTTT 1920
Qy 2370 CACCATGTCGCCAGGCTGCTCTCAAAACCCCTGACCTCAAAATGATGTGCTTCCAGCC 2429
Db 1921 CACCATGTCGCCAGGCTGCTCTCAAAACCCCTGACCTCAAAATGATGTGCTTCCAGCC 1980
Qy 2430 TCCACAGTGTCTGGGATTACAGGCATGGGCCACACACGCCCTAGCCTCAAGCTCTCTGA 2489
Db 1981 TCCACAGTGTCTGGGATTACAGGCATGGGCCACACACGCCCTAGCCTCAAGCTCTCTGA 2040
Qy 2490 TCTTCACTAAGAACAAAGAACGAACTTGCAGGGGGGCTTTCCCACTGCTCCATC 2549
Db 2041 TCTTCACTAAGAACAAAGAACGAACTTGCAGGGGGGCTTTCCCACTGCTCCATC 2100
Qy 2550 TGGTTTTCTCTCCAGGGGCTTGCAGAAATTCCTGACGAGATAAGCAGTTATGACCTCA 2609
Db 2101 TGGTTTTCTCTCCAGGGGCTTGCAGAAATTCCTGACGAGATAAGCAGTTATGACCTCA 2160
Qy 2610 CGTGCAAGGCCACCAACAGCCACTCAGAAAAGAGCGCACAGCCAGAGTGCGAACTGC 2669
Db 2161 CGTGCAAGGCCACCAACAGCCACTCAGAAAAGAGCGCACAGCCAGAGTGCGAACTGC 2220
Qy 2670 AGTCACTGCAAGTTTCTCTAGGGACACAGAACCAAAACCCACCTTCTACTTCCAAG 2729
Db 2221 AGTCACTGCAAGTTTCTCTAGGGACACAGAACCAAAACCCACCTTCTACTTCCAAG 2280
Qy 2730 ACTTATTTTCCATGTGGGAGGTTAATCTAGGAATGACCTCGTTAAGGGCTATTTTCAT 2789
Db 2281 ACTTATTTTCCATGTGGGAGGTTAATCTAGGAATGACCTCGTTAAGGGCTATTTTCAT 2340
Qy 2790 GATTTCTTTGTAGCATTTGCTGTGACGTTATTTGCTCTTTGATTTCCAAATAATATGT 2849
Db 2341 GATTTCTTTGTAGCATTTGCTGTGACGTTATTTGCTCTTTGATTTCCAAATAATATGT 2400
Qy 2850 TTCTTCCCTCATWRAAAAAA 2883
Db 2401 TTCTTCCCTCATWRAAAAAA 2434

RESULT 10

US-10-357-930-28248
; Sequence 28248, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; PRIOR FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862


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; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28248
; LENGTH: 2434
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-357-930-28248

Query Match      82.4%; Score 2429.6; DB 8; Length 2434;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2429; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 450 ACTTTTCGTTCTTAATTAGGTCAATGCCGTATGAGCCAGGAAAGGCGTGTGTTTATGGAA 509
Db 1 ACTTTTCGTTCTTAATTAGGTCAATGCCGTATGAGCCAGGAAAGGCGTGTGTTTATGGAA 60

Qy 510 GCCAGTAACATGCGCCCTACTATCTCTCCGTGGTGCATCTACATTTTGGGACTCGG 569
Db 61 GCCAGTAACATGCGCCCTACTATCTCTCCGTGGTGCATCTACATTTTGGGACTCGG 120

Qy 570 GAAATTATCAGGTAGAGGTGGAGCGGAGCCGGATGTGACAGGTCTCGAAATAGTCAACAT 629
Db 121 GAAATTATCAGGTAGAGGTGGAGCGGAGCGGATGTGACAGGTCTCGAAATAGTCAACAT 180

Qy 630 GGGGAAAAATGATCCGCCCTGCTGTTGAAAGCCCCCTTCTCATTCGATCGCTTTTGGCCT 689
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Qy 690 TGATGATTTGAAATAAGTCTGTTGACACAGATCGATGCTGTCGACACATCCT 749
Db 241 TGATGATTTGAAATAAGTCTGTTGACACAGATCGATGCTGTCGACACATCCT 300

Qy 750 GTCACGTGCTGCCATTTGAGTGTGTTTCCAAATCATCGTCAATGGGATCATTTGATATTT 809
Db 301 GTCACGTGCTGCCATTTGAGTGTGTTTCCAAATCATCGTCAATGGGATCATTTGATATTT 360

Qy 810 AGCACTGGCCATTTGCTGGGCATCCACTTCGACTGCTCAGGAAAGTACAGATGTCGCTC 869
Db 361 AGCACTGGCCATTTGCTGGGCATCCACTTCGACTGCTCAGGAAAGTACAGATGTCGCTC 420

Qy 870 ATCTCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGAGTCTCGGATTTGCAAGACGG 929
Db 421 ATCTCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGAGTCTCGGATTTGCAAGACGG 480

Qy 930 GGAGGACGAGTACCGCTGTCGGGTGGTGGTCCAGATGCTCGGATGCTCGAGTGTTCAC 989
Db 481 GGAGGACGAGTACCGCTGTCGGGTGGTGGTCCAGATGCTCGGATGCTCGAGTGTTCAC 540

Qy 990 AGCTGCTTCGTGGAAAGACCATGTGCTCCGATGCTGGAAGGGTCACTACGCCAAATGTTGC 1049
Db 541 AGCTGCTTCGTGGAAAGACCATGTGCTCCGATGCTGGAAGGGTCACTACGCCAAATGTTGC 600

Qy 1050 CTGTGCCCAACTCGGGTTTCCAGCTATGTGAGTTCAGATAACCTCAGATGAGTCTCGCT 1109
Db 601 CTGTGCCCAACTCGGGTTTCCAGCTATGTGAGTTCAGATAACCTCAGATGAGTCTCGCT 660

Qy 1110 GGAGGGGAGTTCGGGGAGGTTTGTGTCATCGATCACCTCTTGCAGATGACAAGGT 1169
Db 661 GGAGGGGAGTTCGGGGAGGTTTGTGTCATCGATCACCTCTTGCAGATGACAAGGT 720

Qy 1170 GACTGCAATTACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACGTGGTTAC 1229
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1230 CTTGCACTGACAGCCCTGTGTGTCATAGAAAGGGGCTACAGCTCAGCATCTGGGTGGAAA 1289
781 CTTGCACTGACAGCCCTGTGTGTCATAGAAAGGGGCTACAGCTCAGCATCTGGGTGGAAA 840

1290 CATGTCTCTTCTTCGCACTGGCCCTGGCAGGCGAGCTTTCAGTTCAGAGGCTACCACT 1349
841 CATGTCTCTTCTTCGCACTGGCCCTGGCAGGCGAGCTTTCAGTTCAGAGGCTACCACT 900

1350 GTGCGGGGGCTCTGTCTCATCAGCCCTGTGTGATCATCATCTGCTGCACACTGTGTTTATGA 1409
901 GTGCGGGGGCTCTGTCTCATCAGCCCTGTGTGATCATCATCTGCTGCACACTGTGTTTATGA 960

1410 CTTGTACTCTCCCAAGTCAATGACCATCAGGTGGTCTGTGTTTCTTCTGTTGGACATCC 1469
961 CTTGTACTCTCCCAAGTCAATGACCATCAGGTGGTCTGTGTTTCTTCTGTTGGACATCC 1020

1470 AGCCCACTCCCACTTGTGGAGAGATGTCTACACAGCAAGTACAGCCCAAGAGAGCT 1529
1021 AGCCCACTCCCACTTGTGGAGAGATGTCTACACAGCAAGTACAGCCCAAGAGAGCT 1080

1530 GGGCAATGACATCGCCCTTATGAAAGCTGGCCGGGCCACTCACTGTTCAATGAAATGATCCA 1589
1081 GGGCAATGACATCGCCCTTATGAAAGCTGGCCGGGCCACTCACTGTTCAATGAAATGATCCA 1140

1590 GCCTGTGTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGACGTC 1649
1141 GCCTGTGTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGACGTC 1200

1650 AGGATGGGGGCCACAGAGGATGAGGTGAGCGCTCCCTCTCTGTAACACAGCGGCCGT 1709
1201 AGGATGGGGGCCACAGAGGATGAGGTGAGCGCTCCCTCTCTGTAACACAGCGGCCGT 1260

1710 CCTTTGATTTTCAACAGAGTCTGCAACACAGGAGCGTGTACGGTGGCATCATCTCCCC 1769
1261 CCTTTGATTTTCAACAGAGTCTGCAACACAGGAGCGTGTACGGTGGCATCATCTCCCC 1320

1770 CTCCATGCTCTGCGGGGCTACTGTAACAGGAGCGTGTACCGTGGCATCATCTCCCTGGA 1829
1321 CTCCATGCTCTGCGGGGCTACTGTAACAGGAGCGTGTACCGTGGCATCATCTCCCTGGA 1380

1830 GGGGGCCCTGTGTGTCAAGAGAGGAGCTGTGGAAGTTAGTGGGAGCGACAGCTTTGG 1889
1381 GGGGGCCCTGTGTGTCAAGAGAGGAGCTGTGGAAGTTAGTGGGAGCGACAGCTTTGG 1440

1890 CATGGCTGCGCAGAGGTGAACAAGCTGGGGTGTACACCGGTGTCACTCTCTCTGGA 1949
1441 CATGGCTGCGCAGAGGTGAACAAGCTGGGGTGTACACCGGTGTCACTCTCTCTGGA 1500

1950 CTGGATCCACAGCAGATGGAAGAGACCTTAAAAAAGGAAAGGGAAGAGTAGC 2009
1501 CTGGATCCACAGCAGATGGAAGAGACCTTAAAAAAGGAAAGGGAAGAGTAGC 1560

2010 CACTGAGTCTCTGAGGTGATGAAGACAGCCCGATCTCCCTGAGCTCCCGTGTAGGAA 2069
1561 CACTGAGTCTCTGAGGTGATGAAGACAGCCCGATCTCCCTGAGCTCCCGTGTAGGAA 1620

2070 CTTGCACAGGACACACCTTTGAGCTCTGAGTTCGGGACACAGTAGTAGAGGCCCGAAA 2129
1621 CTTGCACAGGACACACCTTTGAGCTCTGAGTTCGGGACACAGTAGTAGAGGCCCGAAA 1680

2130 GAGGACACCTTCTCATCTGATTCACAGCAACCTTCAAGCTGCTTTTGTGTTTGT 2189
1681 GAGGACACCTTCTCATCTGATTCACAGCAACCTTCAAGCTGCTTTTGTGTTTGT 1740

2190 TTGAGATGAGTCTCGCTCTGTGTCAGGCTGGAGTGGCGAATTCCTGCTCAC 2249
1741 TTGAGATGAGTCTCGCTCTGTGTCAGGCTGGAGTGGCGAATTCCTGCTCAC 1800

2250 TGCAGCTCCGCTTCCCTGTTCAAGCGATCTCTTGGCTCAGCTTCCCGAGTAGCTGGG 2309
1801 TGCAGCTCCGCTTCCCTGTTCAAGCGATCTCTTGGCTCAGCTTCCCGAGTAGCTGGG 1860

2310 ACCACAGGTGCGCGCCACACACCAACTAAATTTTGTATTTTGTAGTAGAGACAGGTTT 2369
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Db 1861 ACCACAGTGGCCGCCACCACTAATTTTGTATTTTGTAGACAGGGTTT 1920
Qy 2370 CACCATGTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAAATGATGTCCTTCAGCC 2429
Db 1921 CACCATGTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAAATGATGTCCTTCAGCC 1980
Qy 2430 TCCACAGTGTGGGATTAAGGATGAGGATGGGCCACACAGCCTAGCCTCAGCTCTCTTCTGA 2489
Db 1981 TCCACAGTGTGGGATTAAGGATGAGGATGGGCCACACAGCCTAGCCTCAGCTCTCTTCTGA 2040
Qy 2490 TCTTCACTTAAGAACAAAGAGCAGCACTTGAAGGGCGGCCCTTCCCACTGTGCCATC 2549
Db 2041 TCTTCACTTAAGAACAAAGAGCAGCACTTGAAGGGCGGCCCTTCCCACTGTGCCATC 2100
Qy 2550 TGGTTTTCTCTCCAGGGGTCTTGCAAAATCTCAGCAGATPAAGCAGTTATGTGACCTCA 2609
Db 2101 TGGTTTTCTCTCCAGGGGTCTTGCAAAATCTCAGCAGATPAAGCAGTTATGTGACCTCA 2160
Qy 2610 CGTCAAGCCACCAACAGCCACTCAGAAAGAGCGCACCCAGCCAGAGTGCAGAACTGC 2669
Db 2161 CGTCAAGCCACCAACAGCCACTCAGAAAGAGCGCACCCAGCCAGAGTGCAGAACTGC 2220
Qy 2670 AGTCACCTGCAGTCTTCTATCTCTAGGACAGAACCAACCCACCCTTCTACTTTCCAAG 2729
Db 2221 AGTCACCTGCAGTCTTCTATCTCTAGGACAGAACCAACCCACCCTTCTACTTTCCAAG 2280
Qy 2730 ACTTATTTTTCATGTGGGGAGTTAATCTAGGAATGACTCGTTTAAAGGCCATTTTTCAT 2789
Db 2281 ACTTATTTTTCATGTGGGGAGTTAATCTAGGAATGACTCGTTTAAAGGCCATTTTTCAT 2340
Qy 2790 GATTTCTTTGATGATTTGGTGTGAGCTATTAATTTGCTTGAATTCGAAATTAATATGT 2849
Db 2341 GATTTCTTTGATGATTTGGTGTGAGCTATTAATTTGCTTGAATTCGAAATTAATATGT 2400
Qy 2850 TTCTTCCCTCATWRMAAAAAAAAAAAAAAAAA 2883
Db 2401 TTCTTCCCTCATTTGAACAAAAAAAAAAAAAAAA 2434

RESULT 11
US-09-814-353-19271
; Sequence 19271, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19271
; LENGTH: 2434
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-353-19271

Query Match 82.4%; Score 2428; DB 3; Length 2434;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2428; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
Qy 450 ACTTTTCGTTCTTAATTTAGGTCAATGCCGTATGACCCAGGAAAGGGCTGTGTTTATGGAA 509
Db 1 ACTTTTCGTTCTTAATTTAGGTCAATGCCGTATGACCCAGGAAAGGGCTGTGTTTATGGAA 60
Qy 510 GCAGTAACACTGTGGCCTACTATCTTCCGTGGTGCATATCTACATTTTGGACTCGG 569
Db 61 GCAGTAACACTGTGGCCTACTATCTTCCGTGGTGCATATCTACATTTTGGACTCGG 120
Qy 570 GAATTATGAGGTAGAGTGGAGGGGAGCCGGATGTGAGAGTCTCTAAATAGTACCAT 629
Db 121 GAATTATGAGGTAGAGTGGAGGGGAGCCGGATGTGAGAGTCTCTAAATAGTACCAT 180
Qy 630 GGGGAAAAATGATCCGCTCTGTGTAAGCCCCCTTCTCATTCGATCGCTTTTGGCCT 689
Db 181 GGGGAAAAATGATCCGCTCTGTGTAAGCCCCCTTCTCATTCGATCGCTTTTGGCCT 240
Qy 690 TGATGATTTGAAAAATAGTCTCTGTGCAACAGATGCGTGTCTGTCGACAGATCCT 749
Db 241 TGATGATTTGAAAAATAGTCTCTGTGCAACAGATGCGTGTCTGTCGACAGATCCT 300
Qy 750 GTCACTGCTGCCATTTGAAGTTTTTCCCAATCATGTCATTTGGGATCATTCGATGATAT 809
Db 301 GTCACTGCTGCCATTTGAAGTTTTTCCCAATCATGTCATTTGGGATCATTCGATGATAT 360
Qy 810 AGCACTGGCCATTTGCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGCTC 869
Db 361 AGCACTGGCCATTTGCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGCTC 420
Qy 870 ATCCTTTTAAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTCGAAAGCG 929
Db 421 ATCCTTTTAAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTCGAAAGCG 480
Qy 930 GGAGGACGATACCGCTGTGTCGGGTGGGTGCTCAGAAATCCGCTGCTCCAGGTGTTTAC 989
Db 481 GGAGGACGATACCGCTGTGTCGGGTGGGTGCTCAGAAATCCGCTGCTCCAGGTGTTTAC 540
Qy 990 AGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTTACCAATGTTGC 1049
Db 541 AGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTTACCAATGTTGC 600
Qy 1050 CTGTGCCAACTCGGTTTCCAAAGCTATGTGAGTTTCAAGTAACTCAGATGAGTGCCT 1109
Db 601 CTGTGCCAACTCGGTTTCCAAAGCTATGTGAGTTTCAAGTAACTCAGATGAGTGCCT 660
Qy 1110 GGAGGGCAGTTCCGGGAGGAGTTTGTGTCATCGATCAGCTCTTTCGAGATGCAAGGT 1169
Db 661 GGAGGGCAGTTCCGGGAGGAGTTTGTGTCATCGATCAGCTCTTTCGAGATGCAAGGT 720
Qy 1170 GACTGCATTACACACTCAGTATATGTGAGGGAGGATGTCCCTCTGGCCACGCTGGTTAC 1229
Db 721 GACTGCATTACACACTCAGTATATGTGAGGGAGGATGTCCCTCTGGCCACGCTGGTTAC 780
Qy 1230 CTTGCAATGACAGCTCTGCTCATAGAGGGGCTACAGCTCAGCATCTGCTGGGTGAAA 1289
Db 781 CTTGCAATGACAGCTCTGCTCATAGAGGGGCTACAGCTCAGCATCTGCTGGGTGAAA 840
Qy 1290 CATGTCTCTCTCGAGTGGCCCTGGCAGGCCAGCTTTCAGTTCCAGGCTACCACT 1349
Db 841 CATGTCTCTCTCGAGTGGCCCTGGCAGGCCAGCTTTCAGTTCCAGGCTACCACT 900
Qy 1350 GTGGGGGCTCTGTCTATCACGCCCTCTGTGCATCATCTGCTGCACTGTGTTATGA 1409
Db 901 GTGGGGGCTCTGTCTATCACGCCCTCTGTGCATCATCTGCTGCACTGTGTTATGA 960
Qy 1410 CTTGTACCTCCCAAGTCATGGACCAATCCAGGTGGGTCTAGTTTCCCTGTGGCAATCC 1469
Db 961 CTTGTACCTCCCAAGTCATGGACCAATCCAGGTGGGTCTAGTTTCCCTGTGGCAATCC 1020

[illegible]

; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 79.6%; Score 2346; DB 3; Length 2412;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2357; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

QY 503 ATGGGAAGCAGTAACACTGTGGCTACTATCTCTTCGCTGGTGCATCTACATTTTGG 562
DB 1 ATGGGAAGCAGTAACACTGTGGCTACTATCTCTTCGCTGGTGCATCTACATTTTGG 60

QY 563 GACTCGGGAATTTATGAGGTAGAGGTGGAGCGGAGCCGAGTGTACAGAGTCTCTGAATAG 622
DB 61 GACTCGGGAATTTATGAGGTAGAGGTGGAGCGGAGCCGAGTGTACAGAGTCTCTGAATAG 120

QY 623 TCACATGGGGAAAATGATCCGCTGCTGTGTTGAAGCCCCCTTCTCATTCGATCGCTTT 682
DB 121 TCACATGGGGAAAATGATCCGCTGCTGTGTTGAAGCCCCCTTCTCATTCGATCGCTTT 180

QY 683 TTGGCTGTGATGATTTGAAAATAAGTCTGTTGCAACAGATGATGCTGTGCTGCAC 742
DB 181 TTGGCTGTGATGATTTGAAAATAAGTCTGTTGCAACAGATGATGCTGTGCTGCAC 240

QY 743 AGATCCTGTCTACTGTGCTGCAATGAAATTTTTTCCAATCATGCTCATTTGGGATCATTCAT 802
DB 241 AGATCCTGTCTACTGTGCTGCAATGAAATTTTTTCCAATCATGCTCATTTGGGATCATTCAT 300

QY 803 TGATATTAGACTGGCCATTTGTCTGGGCATCCACTTCTGAGTCTCAGGGAAGTACAGAT 862
DB 301 TGATATTAGACTGGCCATTTGTCTGGGCATCCACTTCTGAGTCTCAGGGAAGTACAGAT 360

QY 863 GTCGCTCATCTTTAAGTGTATGAGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCT 922
DB 361 GTCGCTCATCTTTAAGTGTATGAGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCT 420

QY 923 AAGACGGGAGGACGAGTACCGCTGTGTCCGGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 982
DB 421 AAGACGGGAGGACGAGTACCGCTGTGTCCGGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 480

QY 983 TGTTCACAGCTGCTTCGTGGAGAACCATGTGTCTCCGATGATGCTGATGCTGATGCTGATGCTGAT 1042
DB 481 TGTTCACAGCTGCTTCGTGGAGAACCATGTGTCTCCGATGATGCTGATGCTGATGCTGATGCTGAT 540

QY 1043 ATGTTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1102
DB 541 ATGTTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600

QY 1103 GCTCGCTGGAGGGGAGTTCGGGAGGAGTTTGTGTCCATCGATCACTCTTGGCCAGATG 1162
DB 601 GCTCGCTGGAGGGGAGTTCGGGAGGAGTTTGTGTCCATCGATCACTCTTGGCCAGATG 660

QY 1163 ACAAGGTGATGCTGCTTACCACTCAGTATATGTAGGGAGGATGTGCTCTGGCCAGC 1222
DB 661 ACAAGGTGATGCTGCTTACCACTCAGTATATGTAGGGAGGATGTGCTCTGGCCAGC 720

QY 1223 TGGTTACCTTGCAGTGCAGAGCTGTGTGATAGAGGGGCTACAGCTCAGCATCGTGG 1282
DB 721 TGGTTACCTTGCAGTGCAGAGCTGTGTGATAGAGGGGCTACAGCTCAGCATCGTGG 780

QY 1283 GTGGAAACATGCTCTTGTGCTCTCGAGTGGCCCTTGGCAGGCGAGCCCTTCAGTTCCAGGGCT 1342
DB 781 GTGGAAACATGCTCTTGTGCTCTCGAGTGGCCCTTGGCAGGCGAGCCCTTCAGTTCCAGGGCT 840

QY 1343 ACCACCTGTGCGGGGCTCTGTGATCAACGCCCCCTGTGATGATCATCTGTGATGATGATGATGAT 1402
DB 841 ACCACCTGTGCGGGGCTCTGTGATCAACGCCCCCTGTGATGATCATCTGTGATGATGATGATGAT 900

QY 1403 TTTATGACTTGTACCTCCCCCAAGTCAATGAGGAGTGGTGTAGTTTCCCTGTGG 1462

DB 901 TTTATGACTTGTACCTCCCCAAGTCATGGACCATCCAGGTGGTCTAGTTTCCCTGTGG 960
QY 1463 ACAATCCAGCCCCCATCCACCTTGTGGAGAGATTGTCTACACAGCAAGTACAGGCCAA 1522
DB 961 ACAATCCAGCCCCCATCCACCTTGTGGAGAGATTGTCTACACAGCAAGTACAGGCCAA 1020
QY 1523 AGAGCTGGGCAATGACATCCGCTTATGAAAGTGGCGGGCCACTACGTTCAATGAAA 1582
DB 1021 AGAGCTGGGCAATGACATCCGCTTATGAAAGTGGCGGGCCACTACGTTCAATGAAA 1080
QY 1583 TGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGT 1642
DB 1081 TGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGT 1140
QY 1643 GGAGCTGAGGATGGGGGCCACAGAGGATGAGGTGAGCTCCCTCTGCTGAACACAG 1702
DB 1141 GGAGCTGAGGATGGGGGCCACAGAGGATGAGGTGAGCTCCCTCTGCTGAACACAG 1200
QY 1703 CGGCGTCCCTTTGATTTTCCAAAGATCTGCAACACAGGAGACGTGACGTTGGCATCA 1762
DB 1201 CGGCGTCCCTTTGATTTTCCAAAGATCTGCAACACAGGAGACGTGACGTTGGCATCA 1260
QY 1763 TCTCCCTCCATGCTCTGCGGGGCTACTGA CGGTTGGGTGAGACAGCTGCCAGGGG 1822
DB 1261 TCTCCCTCCATGCTCTGCGGGGCTACTGA CGGTTGGGTGAGACAGCTGCCAGGGG 1320
QY 1823 ACAGGGGGGGCCCCCTGCTGTTCAAGAGAGGAGCTGTGGAAGTTAGTGGAGGACCA 1882
DB 1321 ACAGGGGGGGCCCCCTGCTGTTCAAGAGAGGAGCTGTGGAAGTTAGTGGAGGACCA 1380
QY 1883 GCTTTGGCATCGGCTGCGCAGAGGTGAAACAGCCTGGGGTGTACACCGTGTCACTCT 1942
DB 1381 GCTTTGGCATCGGCTGCGCAGAGGTGAAACAGCCTGGGGTGTACACCGTGTCACTCTCT 1440
QY 1943 TCCTGGAATGATTCACAGAGAGATGGAGAGACCTTAAACCTGAAAAGAGAGGGAC 2002
DB 1441 TCCTGGAATGATTCACAGAGAGATGGAGAGACCTTAAACCTGAAAAGAGAGGGAC 1500
QY 2003 AAGTAGCCACCTGAGTTCCTGAGGTGATGAGACAGCCGATCTCCCTCGACTCCCGT 2062
DB 1501 AAGTAGCCACCTGAGTTCCTGAGGTGATGAGACAGCCGATCTCCCTCGACTCCCGT 1560
QY 2063 GTAGGAACTGCAACAGAGACACCTTTGGAGCTCTGAGTTCCGGGACCAAGTAGCAG 2122
DB 1561 GTAGGAACTGCAACAGAGACACCTTTGGAGCTCTGAGTTCCGGGACCAAGTAGCAG 1620
QY 2123 CCCGAAAGAGGACACCTTCCATCTGATTCAGCA CAACCTTCAAGCTGCTTTTGT 2182
DB 1621 CCCGAAAGAGGACACCTTCCATCTGATTCAGCA CAACCTTCAAGCTGCTTTTGT 1680
QY 2183 TGTTTTTTGTGATGAGTCTGCTCTGTTGCCAGGCTGGAGTGCAGTGGCGAAATCC 2242
DB 1681 TGTTTTTTGTGAGTGGAGTCTGCTCTGTTGCCAGGCTGGAGTGCAGTGGCGAAATCC 1740
QY 2243 TGCTCACTGACGCTCCGCTTCCCTGGTTCAAGCGATCTCTTGCTCAGCTTCCCGAGT 2302
DB 1741 TGCTCACTGACGCTCCGCTTCCCTGGTTCAAGCGATCTCTTGCTCAGCTTCCCGAGT 1800
QY 2303 AGCTGGGACCAAGGTGGCGCCACACCAACCTTAATTTTGTATTTTGTATGATGAGAC 2362
DB 1801 AGCTGGGACCAAGGTGGCGCCACACCAACCTTAATTTTGTATTTTGTATGATGAGAC 1860
QY 2363 AGGTTTCACTATGTTGGCAGGCTGCTCTCAACCCCTGACTCAATGATGATGCTGCTG 2422
DB 1861 AGGTTTCACTATGTTGGCAGGCTGCTCTCAACCCCTGACTCAATGATGATGCTGCTG 1920
QY 2423 TTTAGCTCCCAAGTGTGGGATACAGGATGGGCCACACGCTAGCCTCAGCTCC 2482
DB 1921 TTTAGCTCCCAAGTGTGGGATACAGGATGGGCCACACGCTAGCCTCAGCTCC 1980
QY 2483 TTTTGTGATCTTCACTAAGAAACAAAAGAGACGACACTTGCAGGGGGGCTTTCCCACTG 2542

Db 1981 TTTCTGATCTTCACTAAGAACAAAAAGACAGCAACTTGCAGGGCGCCTTTCCCACTG 2040
Qy 2543 GTCCATCTGGTTTCTCTCCAGGGTCTTGCAGAAATTCCTGACGAGATAAGCAGTTATGT 2602
Db 2041 GTCCATCTGGTTTCTCTCCA-GGGTCTTGCAAAATTCCTGACGAGATAAGCAGTTATGT 2099
Qy 2603 GACCTCAGTGCAGCAAGCCACCAAGCAGCACTCAGAAAAGACGACACCAAGTGCA 2662
Db 2100 GACCTCAGTGCAGCAAGCCACCAAGCAGCACTCAGAAAAGACGACACCAAGTGCA 2159
Qy 2663 GAACTGAGTCACTGCAGCTTTTCATCTCTAGGACGAGCAACCAACCCCTTTCTAC 2722
Db 2160 GAACTGAGTCACTGCAGCTTTTCATCTCTAGGACGAGCAACCAACCCCTTTCTAC 2219
Qy 2723 TTCCAAGACTTATTTTACATGTGGGAGGTATCTAGGAATGACTCGTTTAAGGCCTA 2782
Db 2220 TTCCAAGACTTATTTTACATGTGGGAGGTATCTAGGAATGACTCGTTTAAGGCCTA 2279
Qy 2783 TTTTCATGATTTCTTTGAGCATTTGGTGGCTTGACGTATTATTCTCTTTGATTCCAAAT 2842
Db 2280 TTTTCATGATTTCTTTGAGCATTTGGTGGCTTGACGTATTATTCTCTTTGATTCCAAAT 2339
Qy 2843 AATATGTTTCTCCCTCATWR 2864
Db 2340 AATATGTTTCTCCCTCATTG 2361

RESULT 13
US-09-978-697-68
; Sequence 68, Application US/09978697
; Patent No. US200201692841
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630FIC27
; CURRENT APPLICATION NUMBER: US/09/978,697
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; ;
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
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; PRIOR FILING DATE: 1998-03-11
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; PRIOR APPLICATION NUMBER: 60/085700
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 79.6%; Score 2346; DB 3; Length 2412;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2357; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

QY 503 ATGGGAAGCCAGTAACACACTGTGGCCTACTATCTCTTCGGTGGTCCCATCTATCATTTTGG 562
DB 1 ATGGGAAGCCAGTAACACACTGTGGCCTACTATCTCTTCGGTGGTCCCATCTATCATTTTGG 60
QY 563 GACTCGGGAATTATGAGGTAGAGGTGGAGGCGGAGCCGGATGTGAGAGGTCTTGAATAG 622
DB 61 GACTCGGGAATTATGAGGTAGAGGTGGAGGCGGAGCCGGATGTGAGAGGTCTTGAATAG 120
QY 623 TCACATGGGGGAAAATGATCCGCTGCTGTGGAAGCCCTCTCTCATTTCCGATCGCTTT 682
DB 121 TCACATGGGGGAAAATGATCCGCTGCTGTGGAAGCCCTCTCTCATTTCCGATCGCTTT 180
QY 683 TTGGCCTTGATGATTTGAAAATAAGTCTGTGTCACACAGATGCAGATGCTGTGTGCAC 742
DB 181 TTGGCCTTGATGATTTGAAAATAAGTCTGTGTCACACAGATGCAGATGCTGTGTGCAC 240
QY 743 AGATCCTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATGTCATTGGGATCATTCAT 802
DB 241 AGATCCTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATGTCATTGGGATCATTCAT 300
QY 803 TGATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGAGTACAGAT 862
DB 301 TGATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGAGTACAGAT 360
QY 863 GTGCGTCATCTTTAAGTGTATCGAGCTGTAGCTGTGACCGAGTCTCGGATTCGA 922
DB 361 GTGCGTCATCTTTAAGTGTATCGAGCTGTAGCTGTGACCGAGTCTCGGATTCGA 420
QY 923 AAGACGGGAGGACAGTACCGCTGTGTCCGGTGGGTGGTCCAGAAATGCCGTGCTCCAGG 982
DB 421 AAGACGGGAGGACAGTACCGCTGTGTCCGGTGGGTGGTCCAGAAATGCCGTGCTCCAGG 480
QY 983 TGTTCACAGCTGCTTCTGTGGAAGACCATGTGCTCCGATGACTTGGAGGGTCACTACGCAA 1042
DB 481 TGTTCACAGCTGCTTCTGTGGAAGACCATGTGCTCCGATGACTTGGAGGGTCACTACGCAA 540
QY 1043 ATGTTGCCCTGTGCCCAACTGGGTTTCCCAAGCTATGTAGTTTCCAGATTAACCTCAGAGTGA 1102
DB 541 ATGTTGCCCTGTGCCCAACTGGGTTTCCCAAGCTATGTAGTTTCCAGATTAACCTCAGAGTGA 600
QY 1103 GCTCGCTGGAGGGGAGGTTTCCGGGAGGAGTTTGTGTCCATCGATCACCTTTGCCAGATG 1162
DB 601 GCTCGCTGGAGGGGAGGTTTCCGGGAGGAGTTTGTGTCCATCGATCACCTTTGCCAGATG 660
QY 1163 ACAAGGTGATGCTCATTTACACCACTCAGTATATGTGAGGAGGAGTGTGCTCTGGGCCAGG 1222
DB 661 ACAAGGTGATGCTCATTTACACCACTCAGTATATGTGAGGAGGAGTGTGCTCTGGGCCAGG 720
QY 1223 TGGTTACCTTGCAGTGACAGGCTGTGGTCATAGAGGGGCTACAGCTCACGATCGTGG 1282
DB 721 TGGTTACCTTGCAGTGACAGGCTGTGGTCATAGAGGGGCTACAGCTCACGATCGTGG 780
QY 1283 GTGGAAACATGCTCTTGTCTCTCGCAGTGGCCCTTGGCAGGCCAGCTTCAGTTCCAGGGCT 1342
DB 781 GTGGAAACATGCTCTTGTCTCTCGCAGTGGCCCTTGGCAGGCCAGCTTCAGTTCCAGGGCT 840
QY 1343 ACCACCTGTGGGGGCTCTGTGATCATCGCCCTGTGGATCATCTGCTGCACACTGTG 1402

Db 841 ACCACCTGTGCGGGGCTCTGTATCATCAGCCCTGTGGATCATCACTGCTGCACACTGTG 900
QY 1403 TTTATGACTTGTACTCTCCCAAGTCAATGGAACATCAGGTGGTCTAGTTTCCCTGTGG 1462
Db 901 TTTATGACTTGTACTCTCCCAAGTCAATGGAACATCAGGTGGTCTAGTTTCCCTGTGG 960
QY 1463 ACAATCCAGCCCCATCCCACTTTGGTGGAGAGATTGTCTACACAGCAAGTACAGCCAA 1522
Db 961 ACAATCCAGCCCCATCCCACTTTGGTGGAGAGATTGTCTACACAGCAAGTACAGCCAA 1020
QY 1523 AGAGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTTCAATGAAA 1582
Db 1021 AGAGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTTCAATGAAA 1080
QY 1583 TGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGGATGGAAGTGTGCT 1642
Db 1081 TGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGGATGGAAGTGTGCT 1140
QY 1643 GGAGCTCAGGATGGGGGCCACAGAGGATGAGGTGAGCCCTCCCTGCTGTAACCAAG 1702
Db 1141 GGAGCTCAGGATGGGGGCCACAGAGGATGAGGTGAGCCCTCCCTGCTGTAACCAAG 1200
QY 1703 CGGCGCTCCCTTTGATTTTCAACAGATCTGCAACCAAGGAGGTGTACGGTGGCATCA 1762
Db 1201 CGGCGCTCCCTTTGATTTTCAACAGATCTGCAACCAAGGAGGTGTACGGTGGCATCA 1260
QY 1763 TCTCCCTCTCATGCTGTGCGCGGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGG 1822
Db 1261 TCTCCCTCTCATGCTGTGCGCGGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGG 1320
QY 1823 ACAGGGGGGCCCTGTGTGTCAAGAGAGGAGGTGTGGAAGTTAGTGGAGCGACCA 1882
Db 1321 ACAGGGGGGGCCCTGTGTGTCAAGAGAGGAGGTGTGGAAGTTAGTGGAGCGACCA 1380
QY 1883 GCTTTGGCATCGGCTGGCGCAGAGGTGAACAGCCCTGGGGTGTACACCCGTGTCACTCCT 1942
Db 1381 GCTTTGGCATCGGCTGGCGCAGAGGTGAACAGCCCTGGGGTGTACACCCGTGTCACTCCT 1440
QY 1943 TCCTGGACTGATCCACGAGCAGATGGAGAGAGACTTAAAACTGAAAAAGGAAGGGGAC 2002
Db 1441 TCCTGGACTGATCCACGAGCAGATGGAGAGAGACTTAAAACTGAAAAAGGAAGGGGAC 1500
QY 2003 AAGTAGCCACTGAGTTCCTGAGTGTATGAAGCAGCCCGATCTCCCTGGACTCCCGT 2062
Db 1501 AAGTAGCCACTGAGTTCCTGAGTGTATGAAGCAGCCCGATCTCCCTGGACTCCCGT 1560
QY 2063 GTAGGAACCTGCACACGAGCAGACACCTTTGGAGCTCTGAGTTCGGGCACCCAGTAGCAGG 2122
Db 1561 GTAGGAACCTGCACACGAGCAGACACCTTTGGAGCTCTGAGTTCGGGCACCCAGTAGCAGG 1620
QY 2123 CCGAAAAAGAGCACCTTCCATCTGATTCACAGCAACACCTTCAAGCTGCTTTTTTTTTT 2182
Db 1621 CCGAAAAAGAGCACCTTCCATCTGATTCACAGCAACACCTTCAAGCTGCTTTTTTTTTT 1680
QY 2183 TGTTTTTTTGGATGGAGTCTCGCTCTGTTGCCAGGCTGGAGTGGAGTGGCAAAATCCC 2242
Db 1681 TGTTTTTTTGGAGTGGAGTCTCGCTCTGTTGCCAGGCTGGAGTGGAGTGGCAAAATCCC 1740
QY 2243 TGCTCACTGACGCTCGCTCTCCCTGGTTCAGGGATTCTCTTCCCTCAGCTTCCCGAGT 2302
Db 1741 TGCTCACTGACGCTCGCTCTCCCTGGTTCAGGGATTCTCTTCCCTCAGCTTCCCGAGT 1800
QY 2303 AGCTGGGACCAAGGTGCCCGCCACCAACCACTAAATTTTGTATTTTGTAGTAGAGAC 2362
Db 1801 AGCTGGGACCAAGGTGCCCGCCACCAACCACTAAATTTTGTATTTTGTAGTAGAGAC 1860
QY 2363 AGGTTTTTCAACATTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAATGATGCGCTGC 2422
Db 1861 AGGTTTTTCAACATTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAATGATGCGCTGC 1920
QY 2423 TTCAGCTCCACAGTGTGGGATTTACAGGCGATGGGGCCACCCAGCTTACGCTCACGCTCC 2482
Db 1921 TTCAGCTCCACAGTGTGGGATTTACAGGCGATGGGGCCACCCAGCTTACGCTCACGCTCC 1980

QY 2483 TTTCTGATCTTCACTAAGAACAAAAGAACGAACTTGCAGGGCGGCTTTTCCCACTG 2542
Db 1981 TTTCTGATCTTCACTAAGAACAAAAGAACGAACTTGCAGGGCGGCTTTTCCCACTG 2040
QY 2543 GTCCATCTGGTTTTCTCTCCAGGGGTCTTGCAAAATTTCTGACGAGATAAGCAGTTATGT 2602
Db 2041 GTCCATCTGGTTTTCTCTCCA-GGGTCTTGCAAAATTTCTGACGAGATAAGCAGTTATGT 2099
QY 2603 GACCTCAGCTGCACCAACAGCCACTTCAGAAAAGACGACACCCAGCCAGAAAGTGCA 2662
Db 2100 GACCTCAGCTGCACCAACAGCCACTTCAGAAAAGACGACACCCAGCCAGAAAGTGCA 2159
QY 2663 GAACCTGACCTGACGCTTTTCTATCTCTAGGACAGAACCAACCCACCTTTCTAC 2722
Db 2160 GAACCTGACCTGACGCTTTTCTATCTCTAGGACAGAACCAACCCACCTTTCTAC 2219
QY 2723 TTCCAAAGACTTATTTTTCACATGTGGGAGGTAACTTAGGAATGACTCGTTTAAAGGCCTA 2782
Db 2220 TTCCAAAGACTTATTTTTCACATGTGGGAGGTAACTTAGGAATGACTCGTTTAAAGGCCTA 2279
QY 2783 TTTTCATGATTTCTTTCTAGCAATTTGGTGTGCTTGAAGTATTTATTTCTTTGATTTCCAAAT 2842
Db 2280 TTTTCATGATTTCTTTCTAGCAATTTGGTGTGCTTGAAGTATTTATTTCTTTGATTTCCAAAT 2339
QY 2843 AATATGTTTCTTCCCTCATWR 2864
Db 2340 AATATGTTTCTTCCCTCATTTG 2361

RESULT 14

US-09-978-192A-68
; Sequence 68, Application US/09978192A
; Patent No. US20020177553A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: KJavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C9
; CURRENT APPLICATION NUMBER: US/09/978,192A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03

1	PRIOR APPLICATION NUMBER: 60/065311	1	PRIOR FILING DATE: 1998-04-15
2	PRIOR FILING DATE: 1997-11-13	2	PRIOR APPLICATION NUMBER: 60/081819
3	PRIOR APPLICATION NUMBER: 60/066364	3	PRIOR FILING DATE: 1998-04-15
4	PRIOR FILING DATE: 1997-11-21	4	PRIOR APPLICATION NUMBER: 60/081952
5	PRIOR APPLICATION NUMBER: 60/077450	5	PRIOR FILING DATE: 1998-04-15
6	PRIOR FILING DATE: 1998-03-10	6	PRIOR APPLICATION NUMBER: 60/081838
7	PRIOR APPLICATION NUMBER: 60/077632	7	PRIOR FILING DATE: 1998-04-15
8	PRIOR FILING DATE: 1998-03-11	8	PRIOR APPLICATION NUMBER: 60/082568
9	PRIOR APPLICATION NUMBER: 60/077641	9	PRIOR FILING DATE: 1998-04-21
10	PRIOR FILING DATE: 1998-03-11	10	PRIOR APPLICATION NUMBER: 60/082704
11	PRIOR APPLICATION NUMBER: 60/077649	11	PRIOR FILING DATE: 1998-04-22
12	PRIOR FILING DATE: 1998-03-11	12	PRIOR APPLICATION NUMBER: 60/082804
13	PRIOR APPLICATION NUMBER: 60/077791	13	PRIOR FILING DATE: 1998-04-22
14	PRIOR FILING DATE: 1998-03-12	14	PRIOR APPLICATION NUMBER: 60/082700
15	PRIOR APPLICATION NUMBER: 60/078004	15	PRIOR FILING DATE: 1998-04-22
16	PRIOR FILING DATE: 1998-03-13	16	PRIOR APPLICATION NUMBER: 60/082797
17	PRIOR APPLICATION NUMBER: 60/078886	17	PRIOR FILING DATE: 1998-04-22
18	PRIOR FILING DATE: 1998-03-20	18	PRIOR APPLICATION NUMBER: 60/082796
19	PRIOR APPLICATION NUMBER: 60/078936	19	PRIOR FILING DATE: 1998-04-23
20	PRIOR FILING DATE: 1998-03-20	20	PRIOR APPLICATION NUMBER: 60/083336
21	PRIOR APPLICATION NUMBER: 60/078910	21	PRIOR FILING DATE: 1998-04-27
22	PRIOR FILING DATE: 1998-03-20	22	PRIOR APPLICATION NUMBER: 60/083322
23	PRIOR APPLICATION NUMBER: 60/078939	23	PRIOR FILING DATE: 1998-04-28
24	PRIOR FILING DATE: 1998-03-20	24	PRIOR APPLICATION NUMBER: 60/083392
25	PRIOR APPLICATION NUMBER: 60/079294	25	PRIOR FILING DATE: 1998-04-29
26	PRIOR FILING DATE: 1998-03-25	26	PRIOR APPLICATION NUMBER: 60/083495
27	PRIOR APPLICATION NUMBER: 60/079656	27	PRIOR FILING DATE: 1998-04-29
28	PRIOR FILING DATE: 1998-03-26	28	PRIOR APPLICATION NUMBER: 60/083496
29	PRIOR APPLICATION NUMBER: 60/079664	29	PRIOR FILING DATE: 1998-04-29
30	PRIOR FILING DATE: 1998-03-27	30	PRIOR APPLICATION NUMBER: 60/083499
31	PRIOR APPLICATION NUMBER: 60/079689	31	PRIOR FILING DATE: 1998-04-29
32	PRIOR FILING DATE: 1998-03-27	32	PRIOR APPLICATION NUMBER: 60/083545
33	PRIOR APPLICATION NUMBER: 60/079663	33	PRIOR FILING DATE: 1998-04-29
34	PRIOR FILING DATE: 1998-03-27	34	PRIOR APPLICATION NUMBER: 60/083554
35	PRIOR APPLICATION NUMBER: 60/079728	35	PRIOR FILING DATE: 1998-04-29
36	PRIOR FILING DATE: 1998-03-27	36	PRIOR APPLICATION NUMBER: 60/083558
37	PRIOR APPLICATION NUMBER: 60/079786	37	PRIOR FILING DATE: 1998-04-29
38	PRIOR FILING DATE: 1998-03-27	38	PRIOR APPLICATION NUMBER: 60/083559
39	PRIOR APPLICATION NUMBER: 60/079920	39	PRIOR FILING DATE: 1998-04-29
40	PRIOR FILING DATE: 1998-03-30	40	PRIOR APPLICATION NUMBER: 60/083500
41	PRIOR APPLICATION NUMBER: 60/079923	41	PRIOR FILING DATE: 1998-04-29
42	PRIOR FILING DATE: 1998-03-30	42	PRIOR APPLICATION NUMBER: 60/083742
43	PRIOR APPLICATION NUMBER: 60/080105	43	PRIOR FILING DATE: 1998-04-30
44	PRIOR FILING DATE: 1998-03-31	44	PRIOR APPLICATION NUMBER: 60/084366
45	PRIOR APPLICATION NUMBER: 60/080107	45	PRIOR FILING DATE: 1998-05-05
46	PRIOR FILING DATE: 1998-03-31	46	PRIOR APPLICATION NUMBER: 60/084414
47	PRIOR APPLICATION NUMBER: 60/080165	47	PRIOR FILING DATE: 1998-05-06
48	PRIOR FILING DATE: 1998-03-31	48	PRIOR APPLICATION NUMBER: 60/084441
49	PRIOR APPLICATION NUMBER: 60/080194	49	PRIOR FILING DATE: 1998-05-06
50	PRIOR FILING DATE: 1998-03-31	50	PRIOR APPLICATION NUMBER: 60/084637
51	PRIOR APPLICATION NUMBER: 60/080327	51	PRIOR FILING DATE: 1998-05-07
52	PRIOR FILING DATE: 1998-04-01	52	PRIOR APPLICATION NUMBER: 60/084639
53	PRIOR APPLICATION NUMBER: 60/080328	53	PRIOR FILING DATE: 1998-05-07
54	PRIOR FILING DATE: 1998-04-01	54	PRIOR APPLICATION NUMBER: 60/084640
55	PRIOR APPLICATION NUMBER: 60/080333	55	PRIOR FILING DATE: 1998-05-07
56	PRIOR FILING DATE: 1998-04-01	56	PRIOR APPLICATION NUMBER: 60/084598
57	PRIOR APPLICATION NUMBER: 60/080334	57	PRIOR FILING DATE: 1998-05-07
58	PRIOR FILING DATE: 1998-04-01	58	PRIOR APPLICATION NUMBER: 60/084600
59	PRIOR APPLICATION NUMBER: 60/080328	59	PRIOR FILING DATE: 1998-05-07
60	PRIOR FILING DATE: 1998-04-08	60	PRIOR APPLICATION NUMBER: 60/084627
61	PRIOR APPLICATION NUMBER: 60/081049	61	PRIOR FILING DATE: 1998-05-07
62	PRIOR FILING DATE: 1998-04-08	62	PRIOR APPLICATION NUMBER: 60/084643
63	PRIOR APPLICATION NUMBER: 60/081071	63	PRIOR FILING DATE: 1998-05-07
64	PRIOR FILING DATE: 1998-04-08	64	PRIOR APPLICATION NUMBER: 60/085339
65	PRIOR APPLICATION NUMBER: 60/081195	65	PRIOR FILING DATE: 1998-05-13
66	PRIOR FILING DATE: 1998-04-08	66	PRIOR APPLICATION NUMBER: 60/085338
67	PRIOR APPLICATION NUMBER: 60/081203	67	PRIOR FILING DATE: 1998-05-13
68	PRIOR FILING DATE: 199		

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; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323

; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 79.6%; Score 2346; DB 3; Length 2412;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2357; Conservative 2; Mismatches 2; Indels 1; Gaps 1;

Qy	503	ATGGGAAGCCAGTAACACTGTGGCCTACTATCTCTTCCTGGTGGCCATCTACATTTTGG	562
Db	1	ATGGGAAGCCAGTAACACTGTGGCCTACTATCTCTTCCTGGTGGCCATCTACATTTTGG	60
Qy	563	GACTCGGGAATTATGAGGTAGAGGTGGAGCGGAGCGGATGTCAGAGTCTTGAAATAG	622
Db	61	GACTCGGGAATTATGAGGTAGAGGTGGAGCGGAGCGGATGTCAGAGTCTTGAAATAG	120
Qy	623	TCACCATGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGATCGCTTT	682
Db	121	TCACCATGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGATCGCTTT	180
Qy	683	TTGGCCTTGATGATTTGAAATAAGTCTCTTGACCAGATGAGATGCTGTGCTGCAC	742
Db	181	TTGGCCTTGATGATTTGAAATAAGTCTCTTGACCAGATGAGATGCTGTGCTGCAC	240
Qy	743	AGATCCTGTCACGTGCGCCATTGAAAGTTTTTCCAATCATCTGTCATTTGGGATCATTCAT	802
Db	241	AGATCCTGTCACGTGCGCCATTGAAAGTTTTTCCAATCATCTGTCATTTGGGATCATTCAT	300
Qy	803	TGATATTAGCACATGGCCATTGGTCTGGGCATCCACTTCGACTGTCAGGAGTACAGAT	862
Db	301	TGATATTAGCACATGGCCATTGGTCTGGGCATCCACTTCGACTGTCAGGAGTACAGAT	360
Qy	863	GTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCATGTCGATGACGGAGTCTCGGATTGCA	922
Db	361	GTCGCTCATCTTTAAGTGTATCGAGCTGATAGCTCATGTCGATGACGGAGTCTCGGATTGCA	420
Qy	923	AAGACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAGATGCCGTGCTCCAGG	982
Db	421	AAGACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAGATGCCGTGCTCCAGG	480
Qy	983	TGTTACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGATGCTGGAAGGGTCACTTACGCAA	1042
Db	481	TGTTACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGATGCTGGAAGGGTCACTTACGCAA	540
Qy	1043	ATGTTGCTGTGCCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCCAGATAAACCCTCAGAGTGA	1102
Db	541	ATGTTGCTGTGCCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCCAGATAAACCCTCAGAGTGA	600
Qy	1103	GCTCGCTGGAGGGGAGTTCCGGGAGGAGTTTGTGTCATCGATCACCTCTTGGCCAGATG	1162
Db	601	GCTCGCTGGAGGGGAGTTCCGGGAGGAGTTTGTGTCATCGATCACCTCTTGGCCAGATG	660
Qy	1163	ACAAGGTGACTGATTACACCACTCAGTATATGTGAGGGAGGATGTGCCCTCTGGCCACG	1222
Db	661	ACAAGGTGACTGATTACACCACTCAGTATATGTGAGGGAGGATGTGCCCTCTGGCCACG	720
Qy	1223	TGTTTACCTTTGCAGTGACAGCCTGTGGTTCATAGAAGGGGCTACAGTCAAGCATCGTGG	1282
Db	721	TGTTTACCTTTGCAGTGACAGCCTGTGGTTCATAGAAGGGGCTACAGTCAAGCATCGTGG	780

QY 1283 GTGGAACATGCTCTGCTCGAGTGGCCCTGGCAGGCCAGCTTCAGTTCCAGGGCT 1342
DB 781 GTGGAACATGCTCTGCTCGAGTGGCCCTGGCAGGCCAGCTTCAGTTCCAGGGCT 840
QY 1343 ACCACCTGTGCGGGGCTCTGTCTATCATCGCCCTCTGTGTGATCATCACTGTGCACTGTG 1402
DB 841 ACCACCTGTGCGGGGCTCTGTCTATCATCGCCCTCTGTGTGATCATCACTGTGCACTGTG 900
QY 1403 TTTATGACTGTGCTCTCCCAAGTCATGGAACATCCAGTGGGTCTAGTTTCCCTGTGG 1462
DB 901 TTTATGACTGTGCTCTCCCAAGTCATGGAACATCCAGTGGGTCTAGTTTCCCTGTGG 960
QY 1463 ACAATCCAGCCCCATCCCACTTGTGTGAGAGATTGTCTACACAGCAAGTACAGCCAA 1522
DB 961 ACAATCCAGCCCCATCCCACTTGTGTGAGAGATTGTCTACACAGCAAGTACAGCCAA 1020
QY 1523 AGAGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGCCACTCACTGTTCAATGAAA 1582
DB 1021 AGAGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGCCACTCACTGTTCAATGAAA 1080
QY 1583 TGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCT 1642
DB 1081 TGATCCAGCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCT 1140
QY 1643 GGAAGTCAAGTGGGGGCCACAGAGGATGAGGTGAGCTCCCTCTGCTGAACACG 1702
DB 1141 GGAAGTCAAGTGGGGGCCACAGAGGATGAGGTGAGCTCCCTCTGCTGAACACG 1200
QY 1703 CGGCGCTCCCTTTGATTTTCAACAGATCTGCAACACAGGAGCGTGTACGGTGGCATCA 1762
DB 1201 CGGCGCTCCCTTTGATTTTCAACAGATCTGCAACACAGGAGCGTGTACGGTGGCATCA 1260
QY 1763 TCTCCCTCCCTCAATGCTCTGCGGGGCTACCTGA CGGGTGGGTGAGACAGCTGCCAGGGGG 1822
DB 1261 TCTCCCTCCCTCAATGCTCTGCGGGGCTACCTGA CGGGTGGGTGAGACAGCTGCCAGGGGG 1320
QY 1823 ACAGGGGGGGCCCTGGTGTCTGAAGAGAGAGGCTGTGGAAGTTAGTGGGAGGACCA 1882
DB 1321 ACAGGGGGGGGGCCCTGGTGTCTGAAGAGAGAGGCTGTGGAAGTTAGTGGGAGGACCA 1380
QY 1883 GCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCTGGGGGTGTACACCCGTGTCACTCCT 1942
DB 1381 GCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCTGGGGGTGTACACCCGTGTCACTCCT 1440
QY 1943 TCCTGGACTGTGATCCACAGCAGATGAGAGAGACTTAAACCTGAAAAGGAGGGGAC 2002
DB 1441 TCCTGGACTGTGATCCACAGCAGATGAGAGAGACTTAAACCTGAAAAGGAGGGGAC 1500
QY 2003 AAGTAGCCACCTGAGTTCTGAGGTGATGAACAGACCCGATCTCCCTGGACTCCCGT 2062
DB 1501 AAGTAGCCACCTGAGTTCTGAGGTGATGAACAGACCCGATCTCCCTGGACTCCCGT 1560
QY 2063 GTAGGAACCTGCACAGCAGACACCCCTTGGAGCTCTGAGTTCCGGCACCAGTAGCAGG 2122
DB 1561 GTAGGAACCTGCACAGCAGACACCCCTTGGAGCTCTGAGTTCCGGCACCAGTAGCAGG 1620
QY 2123 CCCGAAAGAGGACCCCTTCCATCTGATTCAGCACAACCTTCAAGCTGCTTTTGTGTTT 2182
DB 1621 CCCGAAAGAGGACCCCTTCCATCTGATTCAGCACAACCTTCAAGCTGCTTTTGTGTTT 1680
QY 2183 TGTGTTTTGAGATGAGTCTGCTCTGTGTCAGGCTGGAGTGCAGTGGCGAAATCCC 2242
DB 1681 TGTGTTTTGAGTGGAGTCTGCTCTGTGTCAGGCTGGAGTGCAGTGGCGAAATCCC 1740
QY 2243 TGTCTACTGAGCTCCGCTTCCCTGTTCAAGCGATTCTTGTGCTCAGCTTCCCGAGT 2302
DB 1741 TGTCTACTGAGCTCCGCTTCCCTGTTCAAGCGATTCTTGTGCTCAGCTTCCCGAGT 1800
QY 2303 AGCTGGGACACAGGTGCGCCGACACACCACTAAATTTTGTATTTTGTAGTAGAGAC 2362
DB 1801 AGCTGGGACACAGGTGCGCCGACACCACTAAATTTTGTATTTTGTAGTAGAGAC 1860
QY 2363 AGGTTTACCATGTTGGGCCAGGCTGCTCTCAAAACCCCTGACCTCAATGATGTGCTGC 2422

DB 1861 AGGTTTACCATGTTGGGCCAGGCTGCTCTCAAAACCCCTGACCTCAATGATGTGCTGC 1920
QY 2423 TTCAAGCTCCACAGTCTGSGATTACAGGCATGGGCCACCAAGCTTAGCTCAGCTCCTC 2482
DB 1921 TTCAAGCTCCACAGTCTGSGATTACAGGCATGGGCCACCAAGCTTAGCTCAGCTCCTC 1980
QY 2483 TTTCTGATCTTCACTAAGAAACAAAGAGCAGCAACTTGAAGGGGGGCTTTCCCACTG 2542
DB 1981 TTTCTGATCTTCACTAAGAAACAAAGAGCAGCAACTTGAAGGGGGGCTTTCCCACTG 2040
QY 2543 GTCCATCTGGTTTCTCTCCAGGGGTCTTGCAGAAATTTCTGACGAGATAGCAGTTATGT 2602
DB 2041 GTCCATCTGGTTTCTCTCTCCA-GGGTCTTGCAGAAATTTCTGACGAGATAGCAGTTATGT 2099
QY 2603 GACCTCAAGTGCAGAACCCACAGCACCTCAGAAAGAGCGCACCGCCAGAAAGTGCA 2662
DB 2100 GACCTCAAGTGCAGAACCCACAGCACCTCAGAAAGAGCGCACCGCCAGAAAGTGCA 2159
QY 2663 GAACTGCAGTCACTGCAAGCTTTTTCATCTCTAGGAGCAGAAACCAACCCCTTTCTAC 2722
DB 2160 GAACTGCAGTCACTGCAAGCTTTTTCATCTCTAGGAGCAGAAACCAACCCCTTTCTAC 2219
QY 2723 TTCCAAGACTTATTTTCAATGTGGGAGGTAAATCTTAGGAATGACTCGTTTAAAGGCTA 2782
DB 2220 TTCCAAGACTTATTTTCAATGTGGGAGGTAAATCTTAGGAATGACTCGTTTAAAGGCTA 2279
QY 2783 TTTTCATGATTTCTTTGTAGCAATTTGGTGTGCTGAGTATTATTTGCTTTGATTCCAAAT 2842
DB 2280 TTTTCATGATTTCTTTGTAGCAATTTGGTGTGCTGAGTATTATTTGCTTTGATTCCAAAT 2339
QY 2843 AATATGTTTCTTCCCTCATWR 2864
DB 2340 AATATGTTTCTTCCCTCATTTG 2361

Search completed: January 8, 2006, 06:10:34
Job time : 2392.5 secs

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; SEQ ID NO 83
; LENGTH: 187745
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-83

Query Match      8.1%; Score 239.4; DB 7; Length 187745;
Best Local Similarity 84.1%; Pred. No. 1.3e-40;
Matches 270; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

Qy 2154 GCACAACTTCAAGCTGCTTTTGTGTTTTTTTGTGATGGAGTCTCGCTCTGTTG 2213
Db 70561 GACTAAGATGAAGTGTTCCTTTTCTTTTTTTTGTGAGAGGAGTCTCGCTCTGTTG 70620

Qy 2214 CCCAGGCTGGAGTGCAGTGGCGAAATCCCTGCTCACTCAGAGCTCGCTTCCTGTGGTTCA 2273
Db 70621 CCCAGGCTGGAGTGCAGTGGCATGATCTTGGCTCACTGCAACTCGGCTCCAGGTTCA 70680

Qy 2274 AGCGATTCTCTGCTCAGCTTCCCAGTAGCTGGGACACACAGGTGCGGCGCACACACC 2333
Db 70681 AGTGATTTCTCTGCTCAGCTCCCGCAGTAGCTGGCGATTACAGGCGCGCGCACACACC 70740

Qy 2334 CAACTAATTTTCTGATTATTTTAGTAGAGACAGGGTTTCACATGTTGGCCAGGCTGCTCTC 2393
Db 70741 TGCTAATTTTTTTTATTTTAGTAGAGATGGGGTTTTCACATGTTGGCCAGGCTGCTCTC 70800

Qy 2394 AAACCCCTGACCTCAAAATGATGTGCTTCAAGCTCCCAAGTCTGGGATTACAGGC 2453
Db 70801 AAACCTCTGACCTCAGGTGATCGCTCGCTCAGCGCTCCCAAGTCTGGGATTACAGGC 70860

Qy 2454 ATGGGCCACACCGCTAGCCT 2474
Db 70861 ATGAGCCACGACACCGCGCCT 70881

RESULT 4
US-11-112-908-49/c
; Sequence 49, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 49
; LENGTH: 149419
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-49

Query Match      8.1%; Score 237.8; DB 7; Length 149419;
Best Local Similarity 80.6%; Pred. No. 2.7e-40;
Matches 278; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

Qy 2172 TTTTGTGTTTTTGTGTTTTTTTGTGATGGAGTCTCGCTCTGTTCGCCAGGCTGGAGTGCAGT 2231
Db 57042 TTTTGTGTTTTTGTGTTTTTTTGTGACAGATCTCTCGCTCTGTTCGCCAGGCTGGAGTGCAGT 56983

Qy 2232 GGGGAAATCCCTGCTCACTCAAGCGCTCCGCTTCCCTGGTTTCAAGCAATTCCTTGGCTTCA 2291
Db 56982 GGGCGCATCTCGGCTCACGGCAACTCGCTCCCGGGTTCAAGCAATTCCTTGGCTTCA 56923

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RESULT 6
US-11-112-908-52/c
; Sequence 52, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 52
; LENGTH: 161726
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-52
Query Match      8.1%; Score 237.8; DB 7; Length 161726;
Best Local Similarity 80.6%; Pred. No. 2.7e-40;
Matches 278; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

QY 2172 TTTTGTGTTTCTTCTGATGAGATGAGTCTCGCTCTGTTCCCGAGGCTGGAGTGCAGT 2231
Db 34142 TTTTGTGTTTCTTCTGATGAGATGAGTCTCGCTCTGTTCCCGAGGCTGGAGTGCAGT 34083

QY 2232 GCGGAAATCCCTGCTCAGTCAGGCTCCGCTTCCCTGGTTCAAGCGATTCTCTTGCTCA 2291
Db 34082 GCGCGGATCTCGGCTCAGCGCAACCTCCGCTCCGCGGTTCAAGCAATTCTCTGCTCA 34023

QY 2292 GCTTCCCAAGTAGCTGGGACCAAGTCCGCGCACACACACCACTAAATTTTGTATTT 2351
Db 34022 GCTTCCCAAGTAGCTGGGATTAAGTGTCTCACCACCAAGCCGCTAAATTTGTATTT 33963

QY 2352 TTAGTAGAGACAGAGGTTTCCACCATGTTGGCCAGGTGCTCTCAAAACCCCTGACCTCAAT 2411
Db 33962 TTAGTAGAGACAGGTTTCCACCATGTTGGCCAGGCTCTCAAACTCTGACCTCAGGT 33903

QY 2412 GATGTCCTGCTTCCAGCTCCCAAGTGTGGGATTTACAGGCATGGGCCACCAAGCTAG 2471
Db 33902 GATGTCCTGCTTCCAGCTCCCAAGTGTGGGATTTACAGGCATGGGTACCGCACCAG 33843

QY 2472 CCTCAGCTCTCTTCTGATCTTCACTAAGAACAAAGAGCAGCA 2516
Db 33842 CCTCAGACCACTTTTGCATCTCAAGATTGTGAACCAAGGCCCA 33798

RESULT 8
US-10-821-234-136
; Sequence 136, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 136
; LENGTH: 1827
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-136
Query Match      8.0%; Score 237.2; DB 6; Length 1827;
Best Local Similarity 81.4%; Pred. No. 9.9e-41;
Matches 275; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

QY 2137 CTTTCCATCTGATTTCCAGCACACCTTCAAGCTGCTTTTGTGTTTTTGTGAT 2196
Db 25 CTTTCCCTCTTTTCTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 84

QY 2197 GGAGTCTCGCTCTGTTCCCGAGGCTGGAGTGCAGTGGCGAAATCCCTGCTCACTGCAGCC 2256
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US-11-112-908-52/c
; Sequence 52, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 52
; LENGTH: 161726
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-52
Query Match      8.1%; Score 237.8; DB 7; Length 161726;
Best Local Similarity 80.6%; Pred. No. 2.7e-40;
Matches 278; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

QY 2172 TTTTGTGTTTCTTCTGATGAGATGAGTCTCGCTCTGTTCCCGAGGCTGGAGTGCAGT 2231
Db 107324 TTTTGTGTTTCTTCTGATGAGATGAGTCTCGCTCTGTTCCCGAGGCTGGAGTGCAGT 107265

QY 2232 GCGGAAATCCCTGCTCAGTCAGGCTCCGCTTCCCTGGTTCAAGCGATTCTCTTGCTCA 2291
Db 107264 GCGCGATCTCGGCTCAGCGCAACCTCCGCTCCGCGGTTCAAGCAATTCTCTGCTCA 107205

QY 2292 GCTTCCCAAGTAGCTGGGACCAAGTCCGCGCACACACCACTAAATTTTGTATTT 2351
Db 107204 GCTTCCCAAGTAGCTGGGATTAAGTGTCTCACCACCAAGCCGCTAAATTTGTATTT 107145

QY 2352 TTAGTAGAGACAGGTTTCCAGCTTGGCCAGGCTCTCTCAAAACCCCTGACCTCAAT 2411
Db 107144 TTAGTAGAGACAGGTTTCCAGCTTGGCCAGGCTCTCTCAAACTCTGACCTCAGGT 107085

QY 2412 GATGTCCTGCTTCCAGCTCCCAAGTGTGGGATTTACAGGCATGGGCCACCAAGCTAG 2471
Db 107084 GATGTCCTGCTTCCAGCTCCCAAGTGTGGGATTTACAGGCATGGGTACCGCACCAG 107025

QY 2472 CCTCAGCTCTCTTCTGATCTTCACTAAGAACAAAGAGCAGCA 2516
Db 107024 CCTCAGACCACTTTTGCATCTCAAGATTGTGAACCAAGGCCCA 106980

RESULT 7
US-11-112-908-47/c
; Sequence 47, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
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Db 85 AGAGTCTCACTGTGTGCCAGGCTGGAGTGAATGGCGAAATCTGGCTCACTGCAACC 144
Qy 2257 TCCGCTTCCCTGGTTCAAGCGATTCTCTTGCTCAGCTTCCCAAGTAGCTGGGACCAACAG 2316
Db 145 TCCGCTTCCCAAGTTCAAGCGATTCTCTGCTCAGCTTCCGAGTAGCTGGGATTACAG 204
Qy 2317 GTGCCCCCACCACCAACCACTAAATTTTGTATTTTGTAGTAGACAGGGTTTCAACATG 2376
Db 205 GTGCCCCCACCACCGCCAGCTAAATTTTGTATTTTGTAGTAGACAGGGTTTTCGCCATG 264
Qy 2377 TTGCGCAGGCTGCTCTCAACCCCTGACCTCAATGATGTGCTTCAAGCTCCCAACA 2436
Db 265 TTGCGCAGGCTGTTTCAACTCTGACCTCAGTGATCGGCTCGCCTCAGCCTCCCAAA 324
Qy 2437 GTGCTGGATTACAGGATGGCCACCAACGCTAGCCT 2474
Db 325 CTGCTGGATTATAGGATGAGCCACCTCGCCAGCCCT 362

RESULT 9
US-10-995-561-13352/c
; Sequence 13352, Application US/10995561
; Publication No. US2005027054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; NUMBER OF SEQ ID NOS: 2004-11-24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13352
; LENGTH: 32157
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13352

Query Match 8.0%; Score 237.2; DB 6; Length 32157;
Best Local Similarity 82.5%; Pred. No. 2.3e-40;
Matches 269; Conservative 2; Mismatches 55; Indels 0; Gaps 0;
Qy 2172 TTTTGTGTTTTTTTGTGAGTGGAGTCTCGCTCTGTGTCGCCAGGCTGGAGTGCAGT 2231
Db 13011 TTTTGTGTTTTTTTGTGAGCGAGTCTTGCTCGTCAGCCAGGCTGGAGTGCAGT 12952
Qy 2232 GCGAAATCCCTGCTCACTCAGGCTCCGCTTCCCTGTTCAAGCGATTCTCTGCTCA 2291
Db* 12951 GCGCAATCTAGCTCGCTACAACTCTGCTCCAGGTTCAAGCAATTATCTGCTCA 12892
Qy 2292 GCTTCCCAAGTAGCTGGGACACACAGGTGCGCCACCAACCACTAATTTTGTATTT 2351
Db 12891 GCCTCCCTAGTAGCTGGGACACACAGGTGCGCCACCAACCACTAATTTTGTATTT 12832
Qy 2352 TTAGTAGAGACAGGTTTCAACATGTTGCCAGGCTGCTCAAAACCCCTGACCTCAAT 2411
Db 12831 TTAGTGAGAGAGGGTTTCAACATGTTGCCAGGCTGATCTAAGCTCTGACCTCAGGT 12772
Qy 2412 GATGTGCTGCTTCAAGCTCCCAAGTCTGGGATTACAGGATGGGCCACCAAGCTTAC 2471
Db 12771 GATGTGCTGCTGCTGCTCCCAAGTCTGGAATTACAGGATGAGCCACCATGCTG 12712
Qy 2472 CCTACAGCTCCTTCTGATCTTCACT 2497
Db 12711 CCACAATTTTTTTTTTAAATAGCT 12686

RESULT 10
US-10-995-561-13422
; Sequence 13422, Application US/10995561
; Publication No. US2005027054A1
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13422
; LENGTH: 44362
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(44362)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1
US-10-995-561-13422

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Best Local Similarity 74.8%; Pred. No. 2.8e-40;
Matches 297; Conservative 0; Mismatches 100; Indels 0; Gaps 0;
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Db 16357 TTGCTTTTTTTTTTTTGTGAGCGAGTCTTGCTTATTGCCAGGCTGGAGTGCAGTG 16416
Qy 2233 GCGAAATCCCTGCTCACTGAGCCTCCGCTTCCCTGGTTCAAGCGATTCTCTTGCCTCAG 2292
Db 16417 GCACATCTTGGCTCACTGCAATCCACCTCCAGGTTCAAGCAATTTCTTTTGTCTCAG 16476
Qy 2293 CTTCCCAAGTAGCTGGGACCAACAGTCCCGCCACCAACCACTAATTTTGTATTTT 2352
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Qy 2353 TAGTAGAGACAGGTTTTCACCATTTGGCCAGGCTGCTCTCAAAACCTGACCTCAATG 2412
Db 16537 TAGTAGAGACAGGTTTTCACCATTTGGCCAGGCTGCTCTCAAACTCTGAACTCTGACCTCAGGTG 16596
Qy 2413 ATGTGCTGCTTCAAGCTCCCAAGTGTGGGATTACAGGATGGGCCACCAAGCTTACG 2472
Db 16597 ATCCACTGCTCAGCTCCCAAGTGTGAAATTACAGGATGAGCCACCGTCTTGGC 16656
Qy 2473 CTCACGCTCCTTCTGATCTTCAATAAGAAAGAGAGCACTTTGCAAGGCGGCC 2532
Db 16657 CTACCCATAGTCTTCTAGTCTCAGCTGATGAAACTATCTCTCCATGCTGAAGCTCAG 16716
Qy 2533 TTTCCCACTGGTCCATCTGTTTCTCTCCAGGGTC 2569
Db 16717 TGGCCCTCCCTTCTCTTGTCTCACTCCCTGCATC 16753

RESULT 11
US-11-121-086-1
; Sequence 1, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121.086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 126552
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-1

;; CURRENT APPLICATION NUMBER: US/11/112,908
;; CURRENT FILING DATE: 2005-04-22
;; PRIOR APPLICATION NUMBER: US 60/564,758
;; PRIOR FILING DATE: 2004-04-23
;; PRIOR APPLICATION NUMBER: US 60/575,978
;; PRIOR FILING DATE: 2004-06-01
;; PRIOR APPLICATION NUMBER: US 60/631,702
;; PRIOR FILING DATE: 2004-11-30
;; PRIOR APPLICATION NUMBER: US 60/633,826
;; PRIOR FILING DATE: 2004-12-07
;; NUMBER OF SEQ ID NOS: 511
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO 40
;; LENGTH: 180862
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-11-112-908-40

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Best Local Similarity 78.3%; Pred. No. 1e-39;
Matches 282; Conservative 0; Mismatches 78; Indels 0; Gaps 0;
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Db 93533 TTTTGTGTTTTGTTTTGAGATGGAGTCTCACTCTGTTGCCAGGCTGGAGTGCAGT 93474
Qy 2232 GGGGAATCCCTGCTCACTGAGCTCGCTCCCTGGTTCAGGGATTCTTGGCTCA 2291
Db 93473 GGGGTGATCTTGGCTCACTGCAACCCCTGGCTCCAGAGTTCAGGTGATCTCCTGGCTCA 93414
Qy 2292 GCTTCCCAAGTAGCTGGGACACACAGGTCCCGCCACACACACCCAACTAAATTTTGTATTT 2351
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Qy 2412 GATGTGCTGCTTCAAGCTCCACAGTCTGGGATTACAGGCATGGGCCACACCGCTAG 2471
Db 93293 GATCCACCTGCTCGGCTCCCAAGTCTGGGATTACAGGCATGGGCCACACCGCTAG 93234
Qy 2472 CCTCAGCTCCTTTCTGATCTTCACTAAGAACAAAGACGAACTTTGCAAGGGCGGC 2531
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RESULT 15
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; Sequence 77, Application US/11/121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: NIELSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 77
; LENGTH: 215308
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-77

Query Match 8.0%; Score 235.2; DB 7; Length 215308;
Best Local Similarity 81.2%; Pred. No. 1e-39;
Matches 273; Conservative 0; Mismatches 63; Indels 0; Gaps 0;
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Db 142410 GGTGCGATCTTGGCTACCGCAACCTCTGCTCTCTGGGTTCAAGCGATTTCTCTGGCTCA 142469
Qy 2292 GCTTCCCAAGTAGCTGGGACACAGGTGGCCGCCACACACCCAACTAAATTTTGTATTT 2351
Db 142470 GCCTCCTGAGTAGCTGGGATTACAGGCACCTGCCACACACCCAGCTAAATTTTGTATTT 142529
Qy 2352 TTAGTAGACAGAGGTTTTCACCATGTTGGCCAGGCTGCTCTCAAAACCCCTGACCTCAAT 2411
Db 142530 TTAGTAGAGATGGGTTTTCACCATGTTGGCCAGGCTAGTCTCGAACTCCTGACCTCAGGT 142589
Qy 2412 GATGTGCTGCTTCCAGCTCCCAAGTCTGGGATTACAGGCATGGGCCACACCGCTAG 2471
Db 142590 GATCTGCCACTTCCAGCTCCCAAGTCTGGGATTACAGGCATGGGCCACACCGCTAG 142649
Qy 2472 CCTCAGCTCCTTTCTGATCTTCACTAAGAACAAAA 2507
Db 142650 CCRAAACTACATCTCTTGAAGGAACAAGAAAAAAA 142685

Search completed: January 8, 2006, 06:21:47
Job time : 459.538 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 6, 2006, 15:24:16 ; Search time 23 Seconds
(without alignments)

1628.351 Million cell updates/sec

Title: US-09-846-512-2

Perfect score: 2443

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Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:*
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 - 2: /cgn2_6/ptodata/1/iaa/6 COMB.pdp.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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11	886	36.3	492	2	US-09-759-143-932
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13	885	36.2	492	2	US-09-342-749-2
14	885	36.2	492	2	US-09-691-840-2
15	885	36.2	510	2	US-09-949-016-11074
16	878	35.9	393	2	US-09-759-143-934
17	878	35.9	393	2	US-10-012-896-934
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22	874	35.8	492	2	US-10-012-896-895
23	862	35.3	157	2	US-09-518-046-23
24	862	35.3	157	2	US-09-650-371-23
25	829.5	34.0	418	2	US-10-177-661-6
26	729.5	29.9	477	2	US-10-177-661-2
27	729.5	29.9	562	2	US-09-879-792-12

28	721	29.5	446	2	US-10-177-661-4	Sequence 4, Appli
29	696	28.5	283	2	US-08-807-151-1	Sequence 1, Appli
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31	695.5	28.5	445	2	US-09-856-371A-8	Sequence 8, Appli
32	689.5	28.2	457	2	US-09-856-371A-10	Sequence 10, Appli
33	674	27.6	417	2	US-09-820-002-4	Sequence 4, Appli
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40	658	26.9	435	2	US-09-008-271A-6	Sequence 6, Appli
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42	658	26.9	435	2	US-09-968-415-6	Sequence 6, Appli
43	658	26.9	437	2	US-09-851-588-8	Sequence 8, Appli
44	656.5	26.9	376	2	US-09-820-002-2	Sequence 2, Appli
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ALIGNMENTS

RESULT 1

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; Sequence 69, Application US/09999833A
; Patent No. 6916648
; GENERAL INFORMATION: 131
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austen L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC65
; CURRENT APPLICATION NUMBER: US/09/999,833A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632

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7 PRIOR FILING DATE: 1998-03-12
8 PRIOR APPLICATION NUMBER: 60/078004
9 PRIOR FILING DATE: 1998-03-13
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145 PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 2443; DB 2; Length 453;
Best Local Similarity 100.0%; Pred. No. 1.3e-229; Indels 0; Gaps 0;
Matches 453; Conservative 0; Mismatches 0;

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; Patent No. 6962797
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC74
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079689
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079663
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
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; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/079923
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
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; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
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; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081070
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; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
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; PRIOR FILING DATE: 1998-04-22
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; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07

; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 2443; DB 2; Length 453;
Best Local Similarity 100.0%; Pred. No. 1.3e-229;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGENDPPAVEAPFERSLFGDLDDLKISVPADADAAVAQAIIISLLPLKSFPIIVIGIALI 60
Db 1 MGENDPPAVEAPFERSLFGDLDDLKISVPADADAAVAQAIIISLLPLKSFPIIVIGIALI 60
Qy 61 LALAIGLGIHFDSCGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVVRGQNAVLOVF 120
Db 61 LALAIGLGIHFDSCGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVVRGQNAVLOVF 120
Qy 121 TAASWKTWCSDDKWGHYANVACAQLGFPYSVSSDNLRLVSSLEGGQPREBFVSIIDHLLPDDK 180
Db 121 TAASWKTWCSDDKWGHYANVACAQLGFPYSVSSDNLRLVSSLEGGQPREBFVSIIDHLLPDDK 180
Qy 181 VTALHHSYVREGCASGHVVTILOCTACGHRRGYSRIVGGNMSLLSQWPQASLOFQGYH 240
Db 181 VTALHHSYVREGCASGHVVTILOCTACGHRRGYSRIVGGNMSLLSQWPQASLOFQGYH 240
Qy 241 LCGGSVITPLMTIITAACHCVYDLYLPKSWTIOVGLVSLDNPAPSHLVEKIVVHSKYKPKR 300
Db 241 LCGGSVITPLMTIITAACHCVYDLYLPKSWTIOVGLVSLDNPAPSHLVEKIVVHSKYKPKR 300
Qy 301 LGNDIALMKLAGPLTFNEMIOPVCLPNSSEENFPDGKVCWTSGWATEDGGDASPVLNHAA 360
Db 301 LGNDIALMKLAGPLTFNEMIOPVCLPNSSEENFPDGKVCWTSGWATEDGGDASPVLNHAA 360
Qy 361 VPLISNKICNHRDVTYGGIISPSMLCAGYLTGCVSDSCQDSCGPIVCOBRLWKLVGATSF 420
Db 361 VPLISNKICNHRDVTYGGIISPSMLCAGYLTGCVSDSCQDSCGPIVCOBRLWKLVGATSF 420
Qy 421 GIGCAEVNKPQVYTRVTSFLODWHQMERDLKT 453
Db 421 GIGCAEVNKPQVYTRVTSFLODWHQMERDLKT 453

RESULT 3

US-09-949-016-11081
; Sequence 11081, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11081
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-11081

Query Match          99.6%; Score 2432.5; DB 2; Length 521;
Best Local Similarity 99.8%; Pred. No. 1.6e-228;
Matches 453; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MGENDPPAVEAPFSPRSLFGLDLDKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 60
   |||
Db 68 MGENDPPAVEAPFSPRSLFGLDLDKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 127
   |||

QY 61 LALAIGLGIHFDCSGKYRCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRGGQNAVLOVF 120
   |||
Db 128 LALAIGLGIHFDCSGKYRCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRGGQNAVLOVF 187
   |||

QY 121 TAASWKTMCDDWKGHYANVACAQLGFPSPYSSDNLRVSSLEGOFPREEFVSIIDHLLPDDK 180
   |||
Db 188 TAASWKTMCDDWKGHYANVACAQLGFPSPYSSDNLRVSSLEGOFPREEFVSIIDHLLPDDK 247
   |||

QY 181 VTALHSHVYVRGCGASHVVTLOCTACGHRGYSRIVGNNMSSLQWPMQASLOFQGYH 240
   |||
Db 248 VTALHSHVYVRGCGASHVVTLOCTACGHRGYSRIVGNNMSSLQWPMQASLOFQGYH 307
   |||

QY 241 LCGSGVITPLWITTAACHVVDLYLPKSWTIQVGLVSLLDNPPAPSHLVKIVHSHKYKPKR 300
   |||
Db 308 LCGSGVITPLWITTAACHVVDLYLPKSWTIQVGLVSLLDNPPAPSHLVKIVHSHKYKPKR 367
   |||

QY 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSGMGATEDG-GDASPVLNHA 359
   |||
Db 368 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSGMGATEDGAGDASPVLNHA 427
   |||

QY 360 AVPLISNKICNHRDVGIIISPMCLCAGYLTGGVDSQCGSGPLVCQERRLWKLVGATS 419
   |||
Db 428 AVPLISNKICNHRDVGIIISPMCLCAGYLTGGVDSQCGSGPLVCQERRLWKLVGATS 487
   |||

QY 420 FGIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT 453
   |||
Db 488 FGIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT 521
   |||

RESULT 5
US-09-949-016-11083
; Sequence 11083, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11083
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-11083

Query Match          99.6%; Score 2432.5; DB 2; Length 521;
Best Local Similarity 99.8%; Pred. No. 1.6e-228;
Matches 453; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MGENDPPAVEAPFSPRSLFGLDLDKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 60
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Db 68 MGENDPPAVEAPFSPRSLFGLDLDKISPVAPDADAVAAQILSLPLKFPPIIVIGIILI 127
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QY 61 LALAIGLGIHFDCSGKYRCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRGGQNAVLOVF 120
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Db 128 LALAIGLGIHFDCSGKYRCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRGGQNAVLOVF 187
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QY 121 TAASWKTMCDDWKGHYANVACAQLGFPSPYSSDNLRVSSLEGOFPREEFVSIIDHLLPDDK 180
   |||
Db 188 TAASWKTMCDDWKGHYANVACAQLGFPSPYSSDNLRVSSLEGOFPREEFVSIIDHLLPDDK 247
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QY 181 VTALHSHVYVRGCGASHVVTLOCTACGHRGYSRIVGNNMSSLQWPMQASLOFQGYH 240
   |||
Db 248 VTALHSHVYVRGCGASHVVTLOCTACGHRGYSRIVGNNMSSLQWPMQASLOFQGYH 307
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QY 241 LCGSGVITPLWITTAACHVVDLYLPKSWTIQVGLVSLLDNPPAPSHLVKIVHSHKYKPKR 300
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Db 308 LCGSGVITPLWITTAACHVVDLYLPKSWTIQVGLVSLLDNPPAPSHLVKIVHSHKYKPKR 367
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QY 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSGMGATEDG-GDASPVLNHA 359
   |||
Db 368 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSGMGATEDGAGDASPVLNHA 427
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QY 360 AVPLISNKICNHRDVGIIISPMCLCAGYLTGGVDSQCGSGPLVCQERRLWKLVGATS 419
   |||
Db 428 AVPLISNKICNHRDVGIIISPMCLCAGYLTGGVDSQCGSGPLVCQERRLWKLVGATS 487
   |||

QY 420 FGIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT 453
   |||
Db 488 FGIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT 521
   |||

RESULT 4
US-09-949-016-11082
; Sequence 11082, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
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Db      128  LALAIGLGIHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGQNAVLOVF 187
QY      121  TAAASKWTCSDDWKGHYANVACAQLGFPSYVSDNLRVSSLEGQFREEFVSDHLLPDDK 180
Db      188  TAAASKWTCSDDWKGHYANVACAQLGFPSYVSDNLRVSSLEGQFREEFVSDHLLPDDK 247
QY      181  VTALHSHSVYVRGECASGHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFOGYH 240
Db      248  VTALHSHSVYVRGECASGHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFOGYH 307
QY      241  LCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIVYHSKYKPKR 300
Db      308  LCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIVYHSKYKPKR 367
QY      301  LGNDIALMKLAGPLTFNEMIQVCLPNSSEENFPDGKVCWTSGWGATEDG-GDASPVLNHA 359
Db      368  LGNDIALMKLAGPLTFNEMIQVCLPNSSEENFPDGKVCWTSGWGATEDGAGDASPVLNHA 427
QY      360  AVPLISNKNICNRHDVYGGIISPSMLCAGYLTGGVSDSCQDGGPLVCQERRLWKLVGATS 419
Db      428  AVPLISNKNICNRHDVYGGIISPSMLCAGYLTGGVSDSCQDGGPLVCQERRLWKLVGATS 487
QY      420  FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453
Db      488  FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 521
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RESULT 6

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US-09-518-046-2
; Sequence 2, Application US/09518046
; Patent No. 6294663
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; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 2
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: complete amino acid sequence of TADG-12
US-09-518-046-2
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Query Match          97.6%; Score 2385.5; DB 2; Length 454;
Best Local Similarity 97.8%; Pred. No. 5.2e-224;
Matches 444; Conservative 2; Mismatches 7; Indels 1; Gaps 1;
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QY      1  MGENDPPAVEAPFSRSLFGLDDLKISPVAPADAAVAQILSLPLKFF-PIIVIGIALI 59
Db      1  MGENDPPAVEAPFSRSLFGLDDLKISPVAPADAAVAQILSLPLPEVFSQSSSLGIAL 60
QY      60  ILALAIGLGIHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGQNAVLOV 119
Db      61  ILALAIGLGIHFDCSGKYRCRSFKCIELITRCDGVSDCKDGEDEYRCVRVGQNAVLOV 120
QY      120  FTAASKWTCSDDWKGHYANVACAQLGFPSYVSDNLRVSSLEGQFREEFVSDHLLPDD 179
Db      121  FTAASKWTCSDDWKGHYANVACAQLGFPSYVSDNLRVSSLEGQFREEFVSDHLLPDD 180
QY      180  KVTALHSHSVYVRGECASGHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFOGY 239
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Db      181  KVTALHSHSVYVRGECASGHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFOGY 240
QY      240  HLCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIVYHSKYKPK 299
Db      241  HLCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIVYHSKYKPK 300
QY      300  RLGNIDIALMKLAGPLTFNEMIQVCLPNSSEENFPDGKVCWTSGWGATEDGGDASPVLNHA 359
Db      301  RLGNIDIALMKLAGPLTFNEMIQVCLPNSSEENFPDGKVCWTSGWGATEDGGDASPVLNHA 360
QY      360  AVPLISNKNICNRHDVYGGIISPSMLCAGYLTGGVSDSCQDGGPLVCQERRLWKLVGATS 419
Db      361  AVPLISNKNICNRHDVYGGIISPSMLCAGYLTGGVSDSCQDGGPLVCQERRLWKLVGATS 420
QY      420  FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453
Db      421  FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 454
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RESULT 7

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US-09-650-371-2
; Sequence 2, Application US/09650371
; Patent No. 6942978
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; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650,371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 2
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: complete amino acid sequence of TADG-12
; OTHER INFORMATION: protein
US-09-650-371-2
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Query Match          97.6%; Score 2385.5; DB 2; Length 454;
Best Local Similarity 97.8%; Pred. No. 5.2e-224;
Matches 444; Conservative 2; Mismatches 7; Indels 1; Gaps 1;
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QY      1  MGENDPPAVEAPFSRSLFGLDDLKISPVAPADAAVAQILSLPLKFF-PIIVIGIALI 59
Db      1  MGENDPPAVEAPFSRSLFGLDDLKISPVAPADAAVAQILSLPLPEVFSQSSSLGIAL 60
QY      60  ILALAIGLGIHFDCSGKYRCRSFKCIELIARCDGVSDCKDGEDEYRCVRVGQNAVLOV 119
Db      61  ILALAIGLGIHFDCSGKYRCRSFKCIELITRCDGVSDCKDGEDEYRCVRVGQNAVLOV 120
QY      120  FTAASKWTCSDDWKGHYANVACAQLGFPSYVSDNLRVSSLEGQFREEFVSDHLLPDD 179
Db      121  FTAASKWTCSDDWKGHYANVACAQLGFPSYVSDNLRVSSLEGQFREEFVSDHLLPDD 180
QY      180  KVTALHSHSVYVRGECASGHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFOGY 239
Db      181  KVTALHSHSVYVRGECASGHVVTIQTACGHRRGYSRIVGGNMSLLSQWPQASLQFOGY 240
QY      240  HLCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIVYHSKYKPK 299
Db      241  HLCGGSVITPLWIIITAAHCYVDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIVYHSKYKPK 300
QY      300  RLGNIDIALMKLAGPLTFNEMIQVCLPNSSEENFPDGKVCWTSGWGATEDGGDASPVLNHA 359
Db      301  RLGNIDIALMKLAGPLTFNEMIQVCLPNSSEENFPDGKVCWTSGWGATEDGGDASPVLNHA 360
QY      360  AVPLISNKNICNRHDVYGGIISPSMLCAGYLTGGVSDSCQDGGPLVCQERRLWKLVGATS 419
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Db 361 AVPLISNKICNHRDVGIIISPSMLCAGYITGGVDSQSGGGLVCQERRLWKLVGATS 420
 Qy 420 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453
 Db 421 FGIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 454

RESULT 8
 US-09-261-416-2
 ; Sequence 2, Application US/09261416A
 ; Patent No. 6291663
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Brien, Timothy J.
 ; APPLICANT: Underwood, Lowell J.
 ; TITLE OF INVENTION: TADG-12: A No. 6291663el Transmembrane Serine Protease
 ; TITLE OF INVENTION: Overexpressed in Ovarian Carcinoma
 ; FILE REFERENCE: D6192
 ; CURRENT APPLICATION NUMBER: US/09/261,416A
 ; CURRENT FILING DATE: 1999-03-03
 ; NUMBER OF SEQ ID NOS: 14
 ; SEQ ID NO 2
 ; LENGTH: 455
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Amino acid sequence of TADG-12 encoded by nucleotides
 ; OTHER INFORMATION: 144 to 1511 of Sequence 1
 ; Patent No. 6291663
 US-09-261-416-2

Query Match 90.3%; Score 2206; DB 2; Length 455;
 Best Local Similarity 91.7%; Pred. No. 1.7e-206;
 Matches 421; Conservative 5; Mismatches 23; Indels 10; Gaps 3;

Qy 1 MGENDPPAVEAPFSRSLFGLDLDLKISPVAPDADAVAAQILSLPLKFF-PIIVIGIAL 59
 Db 1 MGENDPPAVEAPFSRSLFGLDLDLKISPVAPDADAVAAQILSLPLPEVFSQSSSLGIAL 60
 Qy 60 ILAALGILGHFDCSGKYRCRSFKCIETLIARCDGVSDCKDGEYRCVVRVGGQNAVLOV 119
 Db 61 ILAALGILGHFDCSGKYRCRSFKCIETLIARCDGVSDCKDGEYRCVVRVGGQNAVLOV 120
 Qy 120 FTAASWKTWCSDWKGHYANVACAQLGFPFSVSSDNLRVSSLEGQFREEFVSDHLLPDD 179
 Db 121 FTAASWKTWCSDWKGHYANVACAQLGFPFSVSSDNLRVSSLEGQFREEFVSDHLLPDD 180
 Qy 180 KVTALHSHVYVREGCASHVVTLOCTACGHRGYSRIRVGGNMSLLSQWPQASLOFQGY 239
 Db 181 KVTALHSHVYVREGCASHVVTLOCTACGHRGYSRIRVGGNMSLLSQWPQASLOFQGY 240
 Qy 240 HLCGGSVITPLWITIAAHCVYDLYLPKSWTIQVGLVSLNDNPAPSHLVKIVVHSKYKPK 299
 Db 241 HLCGGSVITPLWITIAAHCVYDLYLPKSWTIQVGLVSLNDNPAPSHLVKIVVHSKYKPK 300
 Qy 300 RLGNIDIALMKGAPLTNEMIQVCLPNSNENPDGKVCWTSWGATEDGGDASPLNHA 359
 Db 301 RLGNIDIALMKGAPLTNEMIQVCLPNSNENPDGKVCWTSWGATEDGGDASPLNHA 360
 Qy 360 AVPLISNKICNHRDVGIIISPSMLCAGYITGGVD-----SCQDSSGGLVCQERRLWKL 414
 Db 361 AVPLISNKIQPQ-----GRVWHHLPLHALRGLPDGHRWNSCQDSSGGLVCQERRLWKL 416
 Qy 415 VGATSFIGCAEVNKPQVYTRVTSFLDWIHEQMERDLKT 453
 Db 417 VGATSFIGCADVNKPQVYTRVTSFLDWIHEQMERDLKT 455

RESULT 9
 US-09-518-046-4
 ; Sequence 4, Application US/09518046
 ; Patent No. 6294663
 ; GENERAL INFORMATION:

; APPLICANT: O'Brien, Timothy J.
 ; APPLICANT: Underwood, Lowell J.
 ; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
 ; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
 ; FILE REFERENCE: D6192CIP
 ; CURRENT APPLICATION NUMBER: US/09/518,046
 ; CURRENT FILING DATE: 2000-03-02
 ; EARLIER APPLICATION NUMBER: 09/261,416
 ; EARLIER FILING DATE: 1999-03-03
 ; NUMBER OF SEQ ID NOS: 153
 ; SEQ ID NO 4
 ; LENGTH: 294
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: complete amino acid sequence of TADG-12
 ; OTHER INFORMATION: variant protein
 US-09-518-046-4

Query Match 55.4%; Score 1354; DB 2; Length 294;
 Best Local Similarity 88.1%; Pred. No. 1.2e-123;
 Matches 258; Conservative 7; Mismatches 20; Indels 8; Gaps 2;

Qy 1 MGENDPPAVEAPFSRSLFGLDLDLKISPVAPDADAVAAQILSLPLKFF-PIIVIGIAL 59
 Db 1 MGENDPPAVEAPFSRSLFGLDLDLKISPVAPDADAVAAQILSLPLPEVFSQSSSLGIAL 60
 Qy 60 ILAALGILGHFDCSGKYRCRSFKCIETLIARCDGVSDCKDGEYRCVVRVGGQNAVLOV 119
 Db 61 ILAALGILGHFDCSGKYRCRSFKCIETLIARCDGVSDCKDGEYRCVVRVGGQNAVLOV 120
 Qy 120 FTAASWKTWCSDWKGHYANVACAQLGFPFSVSSDNLRVSSLEGQFREEFVSDHLLPDD 179
 Db 121 FTAASWKTWCSDWKGHYANVACAQLGFPFSVSSDNLRVSSLEGQFREEFVSDHLLPDD 180
 Qy 180 KVTALHSHVYVREGCASHVVTLOCTACGHRGYSRIRVGGNMSLLSQWPQASLOFQGY 239
 Db 181 KVTALHSHVYVREGCASHVVTLOCTACGHRGYSRIRVGGNMSLLSQWPQASLOFQGY 240
 Qy 240 HLCGGSVITPLWITIAAHCVYDLYLPKSWTIQVGLVSLNDNPAPSH 285
 Db 241 HLCGGSVITPLWITIAAHCVYDLYLPKSWTIQVGLVSLNDNPAPSH 293

RESULT 10
 US-09-650-371-4
 ; Sequence 4, Application US/09650371
 ; Patent No. 6942978
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Brien, Timothy J.
 ; APPLICANT: Underwood, Lowell J.
 ; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
 ; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
 ; FILE REFERENCE: D6192CIP/D
 ; CURRENT APPLICATION NUMBER: US/09/650,371
 ; CURRENT FILING DATE: 2000-08-28
 ; PRIOR APPLICATION NUMBER: US 09/518,046
 ; PRIOR FILING DATE: 2000-03-02
 ; NUMBER OF SEQ ID NOS: 153
 ; SEQ ID NO 4
 ; LENGTH: 294
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: complete amino acid sequence of TADG-12
 ; OTHER INFORMATION: variant protein
 US-09-650-371-4

Query Match 55.4%; Score 1354; DB 2; Length 294;
 Best Local Similarity 88.1%; Pred. No. 1.2e-123;
 Matches 258; Conservative 7; Mismatches 20; Indels 8; Gaps 2;
 Qy 1 MGENDPPAVEAPFSRSLFGLDLDLKISPVAPDADAVAAQILSLPLKFF-PIIVIGIAL 59

Db 1 MGENDPFAVEAPFSRSLFGLDDKLSPVAPADAAVAAILSLLPFEVFSQSSSGLIAL 60
QY 60 ILAALIGLGHIFDCSGKYCRSFKICIELIARCDGVSDCKGEDEYRCVVRVGGQNAVQV 119
Db 61 ILAALIGLGHIFDCSGKYCRSFKICIELITRCDGVSDCKGEDEYRCVVRVGGQNAVQV 120
QY 120 FTAASWKTCSDDWKGYHANVACAOLGFPYSYSSONLRVSSLEGGOFREEFVSIHLLPDD 179
Db 121 FTAASWKTCSDDWKGYHANVACAOLGFPYSYSSONLRVSSLEGGOFREEFVSIHLLPDD 180
QY 180 KYTALHHSYVVRGECASGHVVTLOCTACGHRGYSRIRVGGNMSLLSQWPMQASLQFOQY 239
Db 181 KYTALHHSYVVRGECASGHVVTLOCTACGHRGYSRIRVGGNMSLLSQWPMQASLQFOQY 240
QY 240 HLCGGSVITPLMIITAAHCVCYDLYLPKSWTIQVLVSL-----LDNPAPSH 285
Db 241 HLCGGSVITPLMIITAAHCVCYDLYLPKSWTIQVLVSL-----LDNPAPSH 293

RESULT 11

US-09-759-143-932
; Sequence 932, Application US/09759143
; Patent No. 6800746

GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23

; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12

; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 932
; LENGTH: 492

; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-759-143-932

Query Match 36.3%; Score 886; DB 2; Length 492;
Best Local Similarity 46.0%; Pred. No. 1.1e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIALLALAIAGIGIHF---DCSGK-YRCRSSFKEIARCDGVSDCKGEDEYRC 107
Db 89 LTGTFLVGAALAAAGLLWKFMSKCSNGIEDSSGTCINPNWCDDGVSHCPGGEDENK 148
QY 108 VRVGGQNAVLOVFTA--ASWKTMCSDDWKGYHANVACAOLGFP--SYVSSDNLRVSSLEQ 164
Db 149 VRLYGSNFILOVYSSQRKSWHPVCQDDWNNYGRAACRDMGKNNFYSSQGVVDDSGSTS 208
QY 165 FREEFVSIDHLLPDDKVTALHHSYVVRGECASGHVVTLOCTACGHRGYS--SRIVGGNM 222
Db 209 FMKLNTSAGNV---DIYKKLYHS-----DACSSKAVVSLRACIACGNLNSRQSRIVGGS 261
QY 223 SLLSQWPMQASLQFOQYHLCGGSVITPLMIITAAHCVCYDLYLPKSWTIQVLV--SLLD 279

Db 262 ALPGAWPMQVSLHVQNVHVCVCGSIITPEWITAAHCVEKPLNPNWHWTAFAGILRQSPMF 321
QY 280 NPAPSHLYSKIVYHSKYPKRLGNDIALMKLAGPLTTFNEMIQPVCLPNSSEENFPDGKVCW 339
Db 322 YGA-GYQVKVISHPNYDSKTKNNDIALMKLQKPTFNDLVKPVCLPNPMMMLQPEQLCW 380
QY 340 TSGWATGDDGDASVPLNHAAPLISNKICNHRDVGIGIISPSMLCAGYLTGCVSDSCQD 399
Db 381 ISGWATGEBKGTSEVLNAKVLLIETORCNSRYVYDNLITPAMICAGFLQGVSDSCQD 440
QY 400 SGGPLVQGBRLKLVGATSGFICGCAVYKPGVYTRVTSFLDWHQWERD 450
Db 441 SGGPLVTSKNNIWLLIGTSMGSGCAKAYRPGVYGNVNVFTDWIYRQMRAD 491

RESULT 12

US-10-012-896-932
; Sequence 932, Application US/10012896
; Patent No. 6943236

GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi

; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.

; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.

; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa

; APPLICANT: Fanger, Gary R.
; APPLICANT: Meagher, Madeleine Joy

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27

; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10

; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 932
; LENGTH: 492

; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-012-896-932

Query Match 36.3%; Score 886; DB 2; Length 492;
Best Local Similarity 46.0%; Pred. No. 1.1e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIALLALAIAGIGIHF---DCSGK-YRCRSSFKEIARCDGVSDCKGEDEYRC 107
Db 89 LTGTFLVGAALAAAGLLWKFMSKCSNGIEDSSGTCINPNWCDDGVSHCPGGEDENK 148
QY 108 VRVGGQNAVLOVFTA--ASWKTMCSDDWKGYHANVACAOLGFP--SYVSSDNLRVSSLEQ 164
Db 149 VRLYGSNFILOVYSSQRKSWHPVCQDDWNNYGRAACRDMGKNNFYSSQGVVDDSGSTS 208
QY 165 FREEFVSIDHLLPDDKVTALHHSYVVRGECASGHVVTLOCTACGHRGYS--SRIVGGNM 222
Db 209 FMKLNTSAGNV---DIYKKLYHS-----DACSSKAVVSLRACIACGNLNSRQSRIVGGS 261

QY 223 SLLSQWPQASLOFGYHLCCGGSVITPLWITIAAHCV-YDLYLPKSWTIQVGLV--SLLD 279
Db 262 ALPGAMPQVSLHVQNVHVCSSIIITPEWIVTAAHCVKPEPLNPNPWHWTAFAGILRQSPMF 321
QY 280 NPAPSHLVEKIVYHSKYKPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSEENFPDGVKVCW 339
Db 322 YGA-GYQVEKVISHPNYDSKTKNDIALMKLQKPLTFNDLVKPVCLPNPGMMLQPEQLCW 380
QY 340 TSGWGATEDGGDASPVLNHAAVPLISNKICNHRDVTYGGIISPSMLCAGYLTGGVDSQCGD 399
Db 381 ISGWGATEEGKTSEVLNAAKVLIIETQRCNSRYVDNLITPAMICAGFLQGNVDSQCGD 440
QY 400 SGGPLVCQERRLWKLVGATSGFGCAEVNKPVGVTYRTVTSFLDWIHEQMERD 450
Db 441 SGGPLVTSKNNIWLLIGDTSWGGCAKAYRPGVYGNVWFTDVIYRQMRAD 491

RESULT 13
US-09-342-749-2
; Sequence 2, Application US/09342749
; Patent No. 6168194
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TMPRSS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/342,749
; PRIOR FILING DATE: 1999-06-29
; EARLIER APPLICATION NUMBER: US 60/091,044
; EARLIER FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-342-749-2

Query Match 36.2%; Score 885; DB 2; Length 492;
Best Local Similarity 46.0%; Pred. No. 1.4e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIITALLAIGLIHF---DCSGK-YRCSSFKICIELIARCDGVSDCKDGEDEYRC 107
Db 89 LTLGTFLVGAALAGLLWKFMGSKCSNSGIECDSSGTCINPNSWCDGVSHCPGGEDENRC 148
QY 108 VRVGQNAVLOVFTA--ASWKTWCDDMKGHYANVACAOLGFP-SYVSSDNLRVSLLEGQ 164
Db 149 VRLYGNFIIQVYSSQRKSWHPVCQDDWNYGAAACRDMGYNKNFYSSQGI VDDSGSTS 208
QY 165 FREEFVSDHLLPDDKVATLHSHSVYREGCASGHVVTLOCTACGHRGYS--SRIVGGNM 222
Db 209 FMKLTNSAGNV---DIYKLYHS----DACSSKAVVSLRCLACGVNLSRQSRIVGGES 261
QY 223 SLLSQWPQASLOFGYHLCCGGSVITPLWITIAAHCV-YDLYLPKSWTIQVGLV--SLLD 279
Db 262 ALPGAMPQVSLHVQNVHVCSSIIITPEWIVTAAHCVKPEPLNPNPWHWTAFAGILRQSPMF 321
QY 280 NPAPSHLVEKIVYHSKYKPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSEENFPDGVKVCW 339
Db 322 YGA-GYQVEKVISHPNYDSKTKNDIALMKLQKPLTFNDLVKPVCLPNPGMMLQPEQLCW 380
QY 340 TSGWGATEDGGDASPVLNHAAVPLISNKICNHRDVTYGGIISPSMLCAGYLTGGVDSQCGD 399
Db 381 ISGWGATEEGKTSEVLNAAKVLIIETQRCNSRYVDNLITPAMICAGFLQGNVDSQCGD 440
QY 400 SGGPLVCQERRLWKLVGATSGFGCAEVNKPVGVTYRTVTSFLDWIHEQMERD 450
Db 441 SGGPLVTSKNNIWLLIGDTSWGGCAKAYRPGVYGNVWFTDVIYRQMRAD 491

RESULT 14
US-09-691-840-2
; Sequence 2, Application US/09691840
; Patent No. 644419
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TMPRSS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/691,840
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: US/09/342,749
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: US 60/091,044
; PRIOR FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 492
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-691-840-2

Query Match 36.2%; Score 885; DB 2; Length 492;
Best Local Similarity 46.0%; Pred. No. 1.4e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIITALLAIGLIHF---DCSGK-YRCSSFKICIELIARCDGVSDCKDGEDEYRC 107
Db 89 LTLGTFLVGAALAGLLWKFMGSKCSNSGIECDSSGTCINPNSWCDGVSHCPGGEDENRC 148
QY 108 VRVGQNAVLOVFTA--ASWKTWCDDMKGHYANVACAOLGFP-SYVSSDNLRVSLLEGQ 164
Db 149 VRLYGNFIIQVYSSQRKSWHPVCQDDWNYGAAACRDMGYNKNFYSSQGI VDDSGSTS 208
QY 165 FREEFVSDHLLPDDKVATLHSHSVYREGCASGHVVTLOCTACGHRGYS--SRIVGGNM 222
Db 209 FMKLTNSAGNV---DIYKLYHS----DACSSKAVVSLRCLACGVNLSRQSRIVGGES 261
QY 223 SLLSQWPQASLOFGYHLCCGGSVITPLWITIAAHCV-YDLYLPKSWTIQVGLV--SLLD 279
Db 262 ALPGAMPQVSLHVQNVHVCSSIIITPEWIVTAAHCVKPEPLNPNPWHWTAFAGILRQSPMF 321
QY 280 NPAPSHLVEKIVYHSKYKPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSEENFPDGVKVCW 339
Db 322 YGA-GYQVEKVISHPNYDSKTKNDIALMKLQKPLTFNDLVKPVCLPNPGMMLQPEQLCW 380
QY 340 TSGWGATEDGGDASPVLNHAAVPLISNKICNHRDVTYGGIISPSMLCAGYLTGGVDSQCGD 399
Db 381 ISGWGATEEGKTSEVLNAAKVLIIETQRCNSRYVDNLITPAMICAGFLQGNVDSQCGD 440
QY 400 SGGPLVCQERRLWKLVGATSGFGCAEVNKPVGVTYRTVTSFLDWIHEQMERD 450
Db 441 SGGPLVTSKNNIWLLIGDTSWGGCAKAYRPGVYGNVWFTDVIYRQMRAD 491

RESULT 15
US-09-949-016-11074
; Sequence 11074, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03


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; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11074
; LENGTH: 510
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-11074

Query Match          36.2%; Score 885; DB 2; Length 510;
Best Local Similarity 46.0%; Pred. No. 1.4e-77;
Matches 189; Conservative 53; Mismatches 149; Indels 20; Gaps 10;

QY 52 IVIGIALLAIAIGIHF---DCSGK-YRCRSFKIELIARCDGVSDCKDGEDEYRC 107
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : :
107 LTLTGFLVGAALAAAGLLKFMGSKCSNGSIECDSSGTCINPSNWCDCGVSHCPGDENR 166
QY 108 VRVGGONAVLOVFTA--ASWKTWCSDDKGHYANVACAQAGFP-SYVSSDNLRVSSLE 164
Db ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||:
167 VRLYGNFILQVYSQKSWHPVCQDDMNENYGRAACRDMGYKNNFYSSQGI VDDSGSTS 226

QY 165 FREEFVSI DILLPDDKVTALHHSVYVREGCASGHVVTLQCTACGHRRGYS--SRIV 222
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : :
227 FMKLNTSAGNV---DIYKLYHS-----DACSSKAVVSLRCIACGVNLSRSRQSRIV 279

QY 223 SLLSQWPQASLQFQGYHLGGSVITPLMIITAAHCV-YDLYLPKSWTIQVGLV--SL 279
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : :
280 ALPGAWPMQVSLHVQNVHVCGGSIITPEWIVTAAHCVEKPLNPNWHTAFAGILRQSF 339

QY 280 NPAPSHLVEKIVYHSKYKPKRLGNDIALMKLAGPLTFNEMIOPVCLPNSEENFPD 339
Db | : ||| : : : : : : : : : : : : : : : : : : : : : : : :
340 YGA-GYQVEKVI SHPNYDSKTNNNDIALMKLQKPLTFNDLVKPVCLPNPGMMLQPE 398

QY 340 TSGWGATEDGSDASPVLNHAAVPLISNKICNHRDVYGGIISPSMLCAGYLTGGVD 399
Db ||||| : : : : : : : : : : : : : : : : : : : : : : : :
399 ISGWGATEEKGTSEVLNAAKVLIIETQRCNSRYVYDNLITPAMICAGFLQGNVDS 458

QY 400 SGGPLVCQERRLWKLVGATSFGIGCAEVNKPVGYYTRVTSFLDWIHEQMERD 450
Db ||||| : : : : : : : : : : : : : : : : : : : : : : : :
459 SGGPLVTSKNNIWLLIGDTSWGGCAKAYRPGVYGNVMVFTDWIYRQMRAD 509
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Search completed: January 6, 2006, 15:35:07
Job time : 24 secs

2

;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214; Mismatches 0; Indels 0; Gaps 0;
Matches 453; Conservative 0

QY 1 MGENDPPEAVEAPFSRSLFGLDDLKISPVAPDADAVAAQILSLPLKFPFIIIVIGIALI 60
DB 1 MGENDPPEAVEAPFSRSLFGLDDLKISPVAPDADAVAAQILSLPLKFPFIIIVIGIALI 60
QY 61 LALAIGLIHFDCSGKRCRSSFKEIARCDGVSDCKDGEYRCVRVGGQNAVLOVF 120
DB 61 LALAIGLIHFDCSGKRCRSSFKEIARCDGVSDCKDGEYRCVRVGGQNAVLOVF 120
QY 121 TAASWTKMCDKWKGHYANVACALQGPFSVSSDNLRVSSLEQGFREEFVSIIDHLLPDDK 180
DB 121 TAASWTKMCDKWKGHYANVACALQGPFSVSSDNLRVSSLEQGFREEFVSIIDHLLPDDK 180
QY 181 VTALHSHSVYREGCASHGVVTLQCTACGHRRGYSRIVGNGMSLLSQWPMQASLQFGYH 240
DB 181 VTALHSHSVYREGCASHGVVTLQCTACGHRRGYSRIVGNGMSLLSQWPMQASLQFGYH 240
QY 241 LCGSVITPLMIITAAHCYVDLYLPKSWTTQVGLVSLLDNPAHSHLVEKIVYHSKYKPKR 300
DB 241 LCGSVITPLMIITAAHCYVDLYLPKSWTTQVGLVSLLDNPAHSHLVEKIVYHSKYKPKR 300
QY 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSNGWATEDGGDASPVLNHA 360
DB 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSNGWATEDGGDASPVLNHA 360
QY 361 VPLISNKNCHRDYVGGIIISPSMLCAGYLGGVDSQCGSDGGLVCOERLWKLVGATSF 420
DB 361 VPLISNKNCHRDYVGGIIISPSMLCAGYLGGVDSQCGSDGGLVCOERLWKLVGATSF 420
QY 421 GIGCAEVNKGVTYTRVTSFLDWIHEQMERDLKT 453
DB 421 GIGCAEVNKGVTYTRVTSFLDWIHEQMERDLKT 453

RESULT 2
US-09-978-697-69
; Sequence 69, Application US/09978697
; Patent No. US20020169284A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.

;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; TITLE OF INVENTION: Acids Encoding the Same
;; FILE REFERENCE: P2630PIC27
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;; CURRENT FILING DATE: 2001-10-16
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; PRIOR APPLICATION NUMBER: 60/085697

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Qy 421 GIGCAEVNKPVGVTYTRVTSFLDWIHEQMERDLKT 453
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RESULT 3
US-09-978-192A-e9
; Sequence 69, Application US/09978192A
; Patent No. US20020177553A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C9
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; APPLICANT: Botstein, David			
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; APPLICANT: Wood, William I.			
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Query Match 100.0%; Score 2443; DB 3; Length 453;
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Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 LALAIGLGHFDCSGKYRCRSSFKCIETLIARCDGVSDCKDGEDEYRCVVRGGQAVLQVF 120

QY 121 TAASWKTMCDDWKGHYANVACAQLGFPSPYSSDNLVRVSSLEQGFQFPFVSIIDHLLPDDK 180
DB 121 TAASWKTMCDDWKGHYANVACAQLGFPSPYSSDNLVRVSSLEQGFQFPFVSIIDHLLPDDK 180

QY 181 VTALHSHVYVREGCASGHVVTTLQCTACGHRGYSRIVGNNMSLLSQWPWQASLQFGYH 240
DB 181 VTALHSHVYVREGCASGHVVTTLQCTACGHRGYSRIVGNNMSLLSQWPWQASLQFGYH 240

QY 241 LCGSVITPLWITTAACHVYDLYLPKSWTIQVGLSVLLDNPAFSLHVEKIVYHSKYKPKR 300
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QY 361 VPLISNKICNHRDVGIIISPSMLCAGYLTGGVDSQCGSGGGLVCOERLWKLVGATSF 420
DB 361 VPLISNKICNHRDVGIIISPSMLCAGYLTGGVDSQCGSGGGLVCOERLWKLVGATSF 420

QY 421 GIGCAEVNKGVTYRTVTSFLDWIHEQWERDLKT 453
DB 421 GIGCAEVNKGVTYRTVTSFLDWIHEQWERDLKT 453

RESULT 6

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; Sequence 69, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

RESULT 8

US-09-978-191A-69
; Sequence 69, Application US/09978191A
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
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; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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; PRIOR APPLICATION NUMBER: 60/083496

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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6, 2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGENPPAVEAPFSRSLFGLDDLKISVPADADAAQAQLSLPLKFFPIIVIGIILI 60
   |||||
Db 1 MGENPPAVEAPFSRSLFGLDDLKISVPADADAAQAQLSLPLKFFPIIVIGIILI 60
   |||||

QY 61 LALATGLGHFPCSGKYRCRSPFKIELIARCDGVSDCKGDEYRCVVRGQNAVLOVF 120
   |||||
Db 61 LALATGLGHFPCSGKYRCRSPFKIELIARCDGVSDCKGDEYRCVVRGQNAVLOVF 120
   |||||

QY 121 TAASWKTWCSDWKGHYANVACAQLGFPYSYSSDLNLRVSSLEQGFREFFVSIIDHLLPDDK 180
   |||||
Db 121 TAASWKTWCSDWKGHYANVACAQLGFPYSYSSDLNLRVSSLEQGFREFFVSIIDHLLPDDK 180
   |||||

QY 181 VTALHHSVYVRGCGASHGVVTLQCTACGHRRGYSRIVGNNMSLLSQMPWQASLQFGYH 240
   |||||
Db 181 VTALHHSVYVRGCGASHGVVTLQCTACGHRRGYSRIVGNNMSLLSQMPWQASLQFGYH 240
   |||||

QY 241 LCGGSVITPLWITTAACHVYDLYLPKSWTIQVGLVSLLDNRPAPSHLVKIVYHSKYKPKR 300
   |||||
Db 241 LCGGSVITPLWITTAACHVYDLYLPKSWTIQVGLVSLLDNRPAPSHLVKIVYHSKYKPKR 300
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QY 301 LGNDIALMKLAGPLTFNEMIQVCLPNSBENPDKGVKVCWTSGWGATEDGGDASPVLNHAA 360
   |||||
Db 301 LGNDIALMKLAGPLTFNEMIQVCLPNSBENPDKGVKVCWTSGWGATEDGGDASPVLNHAA 360
   |||||

QY 361 VPLISNKNHRDVRVGGIISPMLCAGYLTGGVDSQCGDSGGLVVCQERRLWKLVGATSF 420
   |||||
Db 361 VPLISNKNHRDVRVGGIISPMLCAGYLTGGVDSQCGDSGGLVVCQERRLWKLVGATSF 420
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QY 421 GIGCAEVNKPVGVTYTRVTSFLDWIHEQMERDLKT 453
   |||||
Db 421 GIGCAEVNKPVGVTYTRVTSFLDWIHEQMERDLKT 453
   |||||

RESULT 10
US-09-978-564A-69
; Sequence 69, Application US/09978564A
; Publication NO. US20030050241A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C25
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: US/09/978.564A
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
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; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
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; PRIOR FILING DATE: 1998-03-13
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; PRIOR FILING DATE: 1998-04-08
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6	PRIOR APPLICATION NUMBER: 60/081203
7	PRIOR FILING DATE: 1998-04-09
8	PRIOR APPLICATION NUMBER: 60/081229
9	PRIOR FILING DATE: 1998-04-09
10	PRIOR APPLICATION NUMBER: 60/081955
11	PRIOR FILING DATE: 1998-04-15
12	PRIOR APPLICATION NUMBER: 60/081817
13	PRIOR FILING DATE: 1998-04-15
14	PRIOR APPLICATION NUMBER: 60/081819
15	PRIOR FILING DATE: 1998-04-15
16	PRIOR APPLICATION NUMBER: 60/081952
17	PRIOR FILING DATE: 1998-04-15
18	PRIOR APPLICATION NUMBER: 60/081838
19	PRIOR FILING DATE: 1998-04-15
20	PRIOR APPLICATION NUMBER: 60/082568
21	PRIOR FILING DATE: 1998-04-21
22	PRIOR APPLICATION NUMBER: 60/082569
23	PRIOR FILING DATE: 1998-04-21
24	PRIOR APPLICATION NUMBER: 60/082704
25	PRIOR FILING DATE: 1998-04-22
26	PRIOR APPLICATION NUMBER: 60/082804
27	PRIOR FILING DATE: 1998-04-22
28	PRIOR APPLICATION NUMBER: 60/082700
29	PRIOR FILING DATE: 1998-04-22
30	PRIOR APPLICATION NUMBER: 60/082797
31	PRIOR FILING DATE: 1998-04-22
32	PRIOR APPLICATION NUMBER: 60/082796
33	PRIOR FILING DATE: 1998-04-23
34	PRIOR APPLICATION NUMBER: 60/083336
35	PRIOR FILING DATE: 1998-04-27
36	PRIOR APPLICATION NUMBER: 60/083322
37	PRIOR FILING DATE: 1998-04-28
38	PRIOR APPLICATION NUMBER: 60/083392
39	PRIOR FILING DATE: 1998-04-29
40	PRIOR APPLICATION NUMBER: 60/083495
41	PRIOR FILING DATE: 1998-04-29
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53	PRIOR FILING DATE: 1998-04-29
54	PRIOR APPLICATION NUMBER: 60/083500
55	PRIOR FILING DATE: 1998-04-29
56	PRIOR APPLICATION NUMBER: 60/083742
57	PRIOR FILING DATE: 1998-04-30
58	PRIOR APPLICATION NUMBER: 60/084366
59	PRIOR FILING DATE: 1998-05-05
60	PRIOR APPLICATION NUMBER: 60/084414
61	PRIOR FILING DATE: 1998-05-06
62	PRIOR APPLICATION NUMBER: 60/084441
63	PRIOR FILING DATE: 1998-05-06
64	PRIOR APPLICATION NUMBER: 60/084637
65	PRIOR FILING DATE: 1998-05-07
66	PRIOR APPLICATION NUMBER: 60/084639
67	PRIOR FILING DATE: 1998-05-07
68	PRIOR APPLICATION NUMBER: 60/084640
69	PRIOR FILING DATE: 1998-05-07
70	PRIOR APPLICATION NUMBER: 60/084600

[illegible]

RESULT 11
US-09-999-833A-69
; Sequence 69, Application US/09999833A
; Publication No. US20030054405A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Boctstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon
APPLICANT: Pilvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC65
CURRENT APPLICATION NUMBER: US/09/999,833A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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PRIOR FILING DATE: 1998-04-15
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697
Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MGENDPPEVAPFSSRLFLGLDLKISPVAPDADAVAAQILSLPLKFFPIIVIGIALI 60
Db 1 MGENDPPEVAPFSSRLFLGLDLKISPVAPDADAVAAQILSLPLKFFPIIVIGIALI 60
Qy 61 LALAIGLGHIFDCSGKYRCSSPKCELIARCDGVSDCKGEDEYRCVRRVGGQNAVLOVF 120
Db 61 LALAIGLGHIFDCSGKYRCSSPKCELIARCDGVSDCKGEDEYRCVRRVGGQNAVLOVF 120
Qy 121 TAASWKTMSDDKWKGHYANVACAQLGPPSYVSDNLNRSVLSLEGQFREFVSIHLLLPDDK 180
Db 121 TAASWKTMSDDKWKGHYANVACAQLGPPSYVSDNLNRSVLSLEGQFREFVSIHLLLPDDK 180
Qy 181 VTALHSHVYVREGCASGHVVTLQCTACGHRGYSRRIVGNNMSSLSSQWPQASLQFGYH 240
Db 181 VTALHSHVYVREGCASGHVVTLQCTACGHRGYSRRIVGNNMSSLSSQWPQASLQFGYH 240
Qy 241 LCGSVITPLWITAAHCYVDLHLPKSWTTOVGLVSLLDNPAPSHLVKEKIVHYSKYKPKR 300
Db 241 LCGSVITPLWITAAHCYVDLHLPKSWTTOVGLVSLLDNPAPSHLVKEKIVHYSKYKPKR 300
Qy 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPDGKVCWTSWGWGATEDGGDASPVNLHAA 360

Db 301 LGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPDGKVCWTSWGWGATEDGGDASPVNLHAA 360
Qy 361 VPLISNKICNHRDVTGGIISPSMLCAGYLTGGVDSQCGDSGGPLVCQERRLWKLVGATSF 420
Db 361 VPLISNKICNHRDVTGGIISPSMLCAGYLTGGVDSQCGDSGGPLVCQERRLWKLVGATSF 420
Qy 421 GIGCAEVNKPVGYYTRVTSFLDWIHEQMRLDKT 453
Db 421 GIGCAEVNKPVGYYTRVTSFLDWIHEQMRLDKT 453
RESULT 12
US-09-981-915A-69
; Sequence 69, Application US/09981915A
; Publication No. US20030054986A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC12
; CURRENT APPLICATION NUMBER: US/09/981,915A
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918595
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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Query Match 100.0%; Score 2443; DB 3; Length 453;
 Best Local Similarity 100.0%; Pred.No. 6.2e-214;
 Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 LALAIGLGHFDGSGKYRCRSSFKICIELIARCDGVSCKDGEDEYRCVVGQNAVLFV 120
Qy 121 TAASWTKMSDDMKGHYANVACAOGLFPSPVSSDNLRVSSLEQPFREFFVSIHLLPPDDK 180
Db 121 TAASWTKMSDDMKGHYANVACAOGLFPSPVSSDNLRVSSLEQPFREFFVSIHLLPPDDK 180
Qy 181 VTALHHSVYVREGCASGHVVTLQCTACGHRRGYSSRIVGNGMSLLSQWPMQASLQFGYH 240
Db 181 VTALHHSVYVREGCASGHVVTLQCTACGHRRGYSSRIVGNGMSLLSQWPMQASLQFGYH 240
Qy 241 LCGGSVITPLWITAAHCYVDLYLPKSWITQGLVSLLDNPAFSLHVEKIVYHSKYKPKR 300
Db 241 LCGGSVITPLWITAAHCYVDLYLPKSWITQGLVSLLDNPAFSLHVEKIVYHSKYKPKR 300
Qy 301 LGNDIALMKLAGPLTNEMIQPVCLPNSSENFDPGKVCWTSGMGATEDGGDASPVLNHAA 360
Db 301 LGNDIALMKLAGPLTNEMIQPVCLPNSSENFDPGKVCWTSGMGATEDGGDASPVLNHAA 360
Qy 361 VPLISNKNCHRDVYGGIISPSMLCAGYLTGGVDSQCGSGGLVQCERRLKLVGATSF 420
Db 361 VPLISNKNCHRDVYGGIISPSMLCAGYLTGGVDSQCGSGGLVQCERRLKLVGATSF 420
Qy 421 GIGCAEVNKGVTYTRVTSFLDWIHEQMERDLKT 453
Db 421 GIGCAEVNKGVTYTRVTSFLDWIHEQMERDLKT 453

RESULT 13
US-09-378-824-69
; Sequence 69, Application US/09978824
; Publication No. US2003005216A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottschen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Nepier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PlC14
; CURRENT APPLICATION NUMBER: US/09/978,824
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
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; PRIOR APPLICATION NUMBER: 60/085697
;

Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGENDPPAVEAPPFRSLFGLDDLKISPVADADAVAAQILSLPLKFPPIIIVIGIALI 60
Db |||||
Qy 1 MGENDPPAVEAPPFRSLFGLDDLKISPVADADAVAAQILSLPLKFPPIIIVIGIALI 60
Db |||||
Qy 61 LALAIGLGHFDCSGKRCRSSFKEIILIARCDGVSDCKDGEYRCVRVGGONAVLOVF 120
Db |||||
Qy 61 LALAIGLGHFDCSGKRCRSSFKEIILIARCDGVSDCKDGEYRCVRVGGONAVLOVF 120
Db |||||
Qy 121 TAASWKTWCSDDWKGHYANVACAQLGFPFYSVSSDNLRLVSSLEGQFREPFVSDHLLPDDK 180
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Db |||||
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Qy 241 LCGGSVITPLMTIITAACHCVYDYLPKSWTIQGLVSLDNDPAPSHLVEKIVHVKYKPKR 300
Db |||||
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Db |||||
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Db |||||
Qy 361 VPLISNKICNHRDVYGGIISPSMLCAGYLTGGVDSGQDSGGLPVCOERRLWKLVGATSF 420
Db |||||
Qy 361 VPLISNKICNHRDVYGGIISPSMLCAGYLTGGVDSGQDSGGLPVCOERRLWKLVGATSF 420
Db |||||
Qy 421 GIGCAEVNKPVGYYTRVTSFLDWDIHEQMERDLKT 453
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Qy 421 GIGCAEVNKPVGYYTRVTSFLDWDIHEQMERDLKT 453
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RESULT 14
US-09-918-585A-69
; Sequence 69, Application US/09918585A
; Publication NO. US20030060406A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C1
CURRENT APPLICATION NUMBER: US/09/918,585A
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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1 PRIOR FILING DATE: 1998-05-15
1 PRIOR APPLICATION NUMBER: 60/086023

Query Match 100.0%; Score 2443; DB 3; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.2e-214;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 61 LALATGLGHFDCSGKYRCRSFKCIETIARCDGVSDCKDGBDEYRCVAVGQNAVLOVF 120
Qy 121 TAASWKTMCSDDWKHYANVACAQIGFSPYSVDNLRVSSLEGQFEEFVSDHLLPDDK 180
Db 121 TAASWKTMCSDDWKHYANVACAQIGFSPYSVDNLRVSSLEGQFEEFVSDHLLPDDK 180
Qy 181 VTALHHSVVRGCGASGHVVTIQTACGHRRGYSSRIVGNMSSLISOWPQASLOFQGYH 240
Db 181 VTALHHSVVRGCGASGHVVTIQTACGHRRGYSSRIVGNMSSLISOWPQASLOFQGYH 240
Qy 241 LCGGSVITPLWITAAHCYVDLYLPKSWTIQVGLVSLLDNPAHPSHLVEKIVVHSYKPKR 300
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Qy 301 LGNDALMKLAGPLTFNEMIQVCLPNSSENPFGKVCWTSGWGEDGDDASPVLNHAA 360
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Qy 421 GIGCAEVNKPVGYYTRVTSFLDWIHEQMERDLKT 453
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RESULT 15
US-09-999-834A-69
Sequence 69, Application US/09999834A
Publication No. US20030064407A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
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APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C75
CURRENT APPLICATION NUMBER: US/09/999,834A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
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Query Match 100.0%; Score 2443; DB 3; Length 453;
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 Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Search completed: January 6, 2006, 15:40:46
Job time : 66 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 6, 2006, 15:34:37 ; Search time 9 Seconds
(without alignments)
427.171 Million cell updates/sec

Title: US-09-846-512-2
Perfect score: 2443
Sequence: 1 MGENDPPEAVEPFRSLFG.....TRVTSFLDWIHEQMERDLKT 453

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 61072 seqs, 8486949 residues

Total number of hits satisfying chosen parameters: 61072

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New:*

- 1: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/2/pubpaa/PCR_NEW_PUB.pep.*
- 5: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pep.*
- 6: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pep.*
- 7: /cgn2_6/prodata/2/pubpaa/US11_NEW_PUB.pep.*
- 8: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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3	689.5	28.2	457	7	US-11-037-243-110
4	674	27.6	417	7	US-11-182-752-4
5	658	26.9	435	7	US-11-183-914-6
6	656.5	26.9	376	7	US-11-182-752-2
7	649.5	26.6	432	7	US-11-102-240-112
8	556	22.8	802	7	US-11-037-243-113
9	549.5	22.5	638	6	US-10-995-561-536
10	529	21.7	425	7	US-11-037-243-92
11	529	21.7	850	7	US-11-037-243-108
12	525	21.5	296	7	US-11-037-243-85
13	525	21.5	305	7	US-11-137-465-56
14	522.5	21.4	423	7	US-11-102-240-106
15	520.5	21.3	1042	7	US-11-067-811-1
16	507	20.8	314	7	US-11-183-914-3
17	507	20.8	578	7	US-11-037-243-100
18	506.5	20.7	1113	7	US-11-067-811-4
19	504	20.6	812	7	US-11-010-874-1
20	503	20.6	791	7	US-11-056-621-4
21	503	20.6	810	6	US-10-220-824-2
22	502	20.5	810	6	US-10-995-561-761
23	499.5	20.4	259	7	US-11-056-621-6
24	499.5	20.4	818	7	US-11-037-243-111
25	495.5	20.3	1128	7	US-11-037-243-97

26	489.5	20.0	447	7	US-11-037-243-109	Sequence 109, App
27	485.5	19.9	970	7	US-11-037-243-101	Sequence 101, App
28	478	19.6	343	7	US-11-080-991-86	Sequence 86, Appl
29	478	19.6	393	6	US-10-821-234-1043	Sequence 1043, App
30	467	19.1	290	6	US-10-131-826A-222	Sequence 222, App
31	463	19.0	326	7	US-11-037-243-105	Sequence 105, App
32	457	18.7	263	7	US-11-037-243-96	Sequence 96, Appl
33	453.5	18.6	328	7	US-11-037-243-91	Sequence 91, Appl
34	449.5	18.4	1169	6	US-10-995-561-609	Sequence 609, App
35	449.5	18.4	1169	6	US-11-124-368A-228	Sequence 228, App
36	440.5	18.0	359	7	US-11-037-243-114	Sequence 114, App
37	427.5	17.5	641	7	US-11-094-519A-29	Sequence 29, Appl
38	423	17.3	272	7	US-11-037-243-99	Sequence 99, Appl
39	404	16.5	352	7	US-11-037-243-95	Sequence 95, Appl
40	400.5	16.4	671	7	US-11-029-003-6	Sequence 6, Appl
41	398.5	16.3	391	7	US-11-037-243-83	Sequence 83, Appl
42	396	16.2	257	7	US-11-127-877-70	Sequence 70, Appl
43	395.5	16.2	482	6	US-10-995-561-560	Sequence 560, App
44	395.5	16.2	516	6	US-10-995-561-559	Sequence 559, App
45	395.5	16.2	562	6	US-10-995-561-561	Sequence 561, App

ALIGNMENTS

RESULT 1						
US-11-037-243-103						
; Sequence 103, Application US/11037243						
; Publication No. US20050287546A1						
; GENERAL INFORMATION:						
; APPLICANT: FLOWMAN, GREGORY						
; APPLICANT: WHYTE, DAVID						
; APPLICANT: CAENEPEEL, SEAN						
; APPLICANT: CHARYDCZAK, GLEN						
; APPLICANT: NANNING, GERARD						
; APPLICANT: SUDARSANAM, SUCHA						
; TITLE OF INVENTION: NOVEL PROTEASES						
; FILE REFERENCE: 038602/1214						
; CURRENT APPLICATION NUMBER: US/11/037,243						
; CURRENT FILING DATE: 2005-05-26						
; PRIOR APPLICATION NUMBER: US/09/888,615						
; PRIOR FILING DATE: 2001-06-26						
; PRIOR APPLICATION NUMBER: 60/214,047						
; PRIOR FILING DATE: 2000-06-26						
; NUMBER OF SEQ ID NOS: 150						
; SOFTWARE: Patent in Ver. 2.1						
; SEQ ID NO 103						
; LENGTH: 454						
; TYPE: PRT						
; ORGANISM: Homo sapiens						
US-11-037-243-103						
Query Match 99.6%; Score 2432.5; DB 7; Length 454;						
Best Local Similarity 99.8%; Pred. No. 3.2e-216;						
Matches 453; Conservative 0; Mismatches 0; Indels 1; Gaps 1;						
Qy	1	MGENDPPEAVEPFRSLFGLD	KLSPAPDADAVAAQILSLPLKFFPIIVIGI	ALI	60	
Db	1	MGENDPPEAVEPFRSLFGLD	KLSPAPDADAVAAQILSLPLKFFPIIVIGI	ALI	60	
Qy	61	LALAIGLGHIFDCSGKYRCR	SPKCIELIARCDGVSDCKDGEDEYRCV	RVGGQNAVLOVF	120	
Db	61	LALAIGLGHIFDCSGKYRCR	SPKCIELIARCDGVSDCKDGEDEYRCV	RVGGQNAVLOVF	120	
Qy	121	TAASWKTMCDDWKGHYANV	ACQLGFPSPVSSDNLRVSSLEGQPF	FEFVSI	180	
Db	121	TAASWKTMCDDWKGHYANV	ACQLGFPSPVSSDNLRVSSLEGQPF	FEFVSI	180	
Qy	181	VTALHSHVYREGCASHVV	TLOCTAGCHRRGYSSRIVGNGN	MSLLSQWPQASLQFQGYH	240	
Db	181	VTALHSHVYREGCASHVV	TLOCTAGCHRRGYSSRIVGNGN	MSLLSQWPQASLQFQGYH	240	
Qy	241	LCGSGVITPLWITTAAC	HCVVDLYLPKSWTTIQVGLVSL	LDNPAF	300	

;; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
;; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
;; TITLE OF INVENTION: USES THEREOF
;; FILE REFERENCE: CLO01194DIVI1
;; CURRENT APPLICATION NUMBER: US/11/182,752
;; CURRENT FILING DATE: 2005-07-18
;; NUMBER OF SEQ ID NOS: 16
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 4
;; LENGTH: 417
;; TYPE: PRT
;; ORGANISM: HUMAN
US-11-182-752-4

Query Match 27.6%; Score 674; DB 7; Length 417;
Best Local Similarity 35.8%; Pred. No. 1.3e-54;
Matches 149; Conservative 62; Mismatches 143; Indels 62; Gaps 11;
QY 59 LILALAILGLIHPDCSGKYRCRSFKIELIARCDGVSDCKDEYRCVRVGGQNAVILQ 118
DB 26 LLLLTALIG-----AASWAIVAVLRSD-----QEPLYPVQVSSADARLM 64
QY 119 VF--TAASWKTCMDWKGHYANVACAQLGFPYSVSDNLRVSSLEGQFREEFVSDIHL 176
DB 65 VPDKTEGTWRLCLCSSRNARVAGLSCEMGFLRALTHSBLDVRTAGANGTSGFFCVDE-- 122
QY 177 PDKKVTALHSHVVRE-----GCASGHVVTLOCTACGHRGYSRIVGGNMLLSQWPQ 231
DB 123 -----GRLPHTORLLEIVSPDCPRGRFLAAICQDCGRKLPVDRIVGGRTDSLGRWPQ 177
QY 232 ASLQFQGYHLGCGSVITPLMIITAAHCYVDLYPK-----SWTIQVGLVSLDNPAPSH 285
DB 178 VSLRYDGAHLGCGSLGSDWLVLAHC-----FPERNVLSRVRVAGAVA---QASPHG 229
QY 286 L---VSKIVYHSYKPKR-----LGNIDIALMKLAGLPTFNEMI QPVCLPNSSENFDPDG 336
DB 230 LQLGVQAVVHGGYLPFRDPNSENSENSNDIALVHLSPLPLTEVI QPVCLPAAGQALVDGK 289
QY 337 VCVTSWGATEDGGDASPVLNHAAPLISNKICNHRDVGIGIISPSMLCAGYLTGVDSC 396
DB 290 ICTVTGNGNTQYYGQAGVLOEARVPIISNDVCGADFYGNQIKPKMFCAGYPEGGIDAC 349
QY 397 QGDSGGPLVCQE---RRLWKLVGATSGFGCAEVNKPQVYTVTSFLDWIHEQME 448
DB 350 QGDSGGPFVCEDSISRTPRWRLCGIVSWGTCGALLAQKPGVYTKVSDREWFQAIK 405

RESULT 5

US-11-183-914-6

; Sequence 6, Application US/11183914

; Publication No. US20050282214A1

; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga

; APPLICANT: Hillman, Jennifer L.

; APPLICANT: Yue, Henry

; APPLICANT: Guegler, Karl J.

; APPLICANT: Corley, Neil C.

; APPLICANT: Tang, Tom Y.

; APPLICANT: Shah, Purvi

; TITLE OF INVENTION: HUMAN PROTEASE MOLECULES

; NUMBER OF SEQUENCES: 24

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Dr.

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/11/183,914
;; FILING DATE: 19-JULY-2005
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/09/008,271
;; FILING DATE: 16-Jan-1998
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: <Unknown>
;; FILING DATE: <Unknown>
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Mohan-Peterson, Sheela
;; REGISTRATION NUMBER: 41,201
;; REFERENCE/DOCKET NUMBER: PF-0458 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 650-855-0555
;; TELEFAX: 650-845-4166
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 435 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: COLNNOT13
;; CLONE: 1337018
US-11-183-914-6

Query Match 26.9%; Score 658; DB 7; Length 435;

Best Local Similarity 35.7%; Pred. No. 3.9e-53;

Matches 158; Conservative 74; Mismatches 147; Indels 64; Gaps 18;

QY 44 LPLKFPPIIVIGIILALALA-----IGLGHFDCSGKYRCRSFKC---IELIAR--- 91

DB 22 IPMEYFRKVGIPILIALSLASIIIVVLIKVLD---KY---YFLCGOPLHFIPRKQL 74

QY 92 CDGVSDCKDGRDEYRC-----VRVGQNAVLOVFTAA--SWKTCMSDDWKGHYA 138

DB 75 CDGELDCPLGEDEEHCVKSFPEGPAPAVAVRLSKDRSTLQVLD SATGNWFSACFDPNFTAL 134

QY 139 NVACAQLGFPYSVSDNLRVSSLEGQFREEFVSDIHL PDDKVTLALHSHVYVREG---CA 195

DB 135 ETACROMGYSS-----KPTFRAVEIGPDQDLDVVEITENSQELMRNMSGPCL 182

QY 196 SGHVVTLOCTACGHRGYSRIVGGNMLLSQWPQASLQFGYHLGCGSVITPLMIITA 255

DB 183 SGLSVSLHCLACGESL-KTPRVVGEEASVDSPWQVSIQYDKQHVCGGSI LDPHWVLT 241

QY 256 AHCV---YDLYLPKSWTIOVGLVSLDNPAPSHLVEKIV---YHSKYKPKRLGNDIALMK 309

DB 242 AHCFRKHTDVF---NWKVRAGSDKL--GSFPPLAVAKIIIEFNPMY-PK--DNDIALMK 293

QY 310 LAGPLTFNEMI QPVCLPNSSENFDPDGKVCWTSGWAT-EDGGDASPVLNHAAPLISNKI 368

DB 294 LQPLTFSGTRPICLPFFDEELTPATPLWIGWGT KONGKMSDILLOASVQVLDSTR 353

QY 369 CNHRDVGIGIISPSMLCAGYLTGGVSDSCQDGGPLVCQERRRLWKLVGATSGFGICAEVN 428

DB 354 CNADDAVQGEVTEKMKCAGIPGEGVDTCCQDGGPLVYQSDQ-MHVVGIVSWGVC GCGPS 412

QY 429 KPGVYTRVTSFLDWIHEQMERDL 451

DB 413 TPGVYTKVSAYLWNWYVWKAE 435

RESULT 6

US-11-182-752-2

; Sequence 2, Application US/11182752

; Publication No. US20050250154A1

; GENERAL INFORMATION:

; APPLICANT: Gan, Weinliu et al.

; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND

; TITLE OF INVENTION: USES THEREOF

```
; FILE REFERENCE: CL001194DIVII
; CURRENT APPLICATION NUMBER: US/11/182,752
; CURRENT FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 376
; TYPE: PRT
; ORGANISM: HUMAN
US-11-182-752-2

Query Match      26.9%; Score 656.5; DB 7; Length 376;
Best Local Similarity 34.8%; Pred. No. 4.5e-53;
Matches 143; Conservative 56; Mismatches 119; Indels 93; Gaps 10;

QY 59 LILALAIGLHIFDCGKTRCSSPKCIELIARCDGSDCKGDEBYRCVRVGGQNAVLIQ 118
Db 26 LLLLLTAIG-----AASWAIVALLRSD-----QFLYPVQVSSADARLM 64
QY 119 VF--TAASWKTCSDDKWKGHYANVACAOLGPPSYVSSDNLRVSSLEGQPREEFVSDHLL 176
Db 65 VFDKTEGTWRLCCSSRNARVAGLSCSEMGFLS----- 97
QY 177 PDKVTALHSHVYVREGCASGHVVTIQTACGHRRGYSRIVGNNMSSLISOWPQASLQF 236
Db 98 -----DCPRGRFLAAICODCGRRKLVDRIVGGRTSLGRWPQVSLRY 141
QY 237 QYHLCGGSVITPLMIITAAHCYDLYLPK-----SWTIQVGLVSLLDNPAPSHL---V 287
Db 142 DGAHLCCGSLSGDWLTAHC-----FPERNRVLNRVRFAGAVA---QASPHGLQLGV 193
QY 288 EKIVHYSKYKPKR-----LGNIDALMKLAGLTFNEMIQVCLPNSSENFDPGKVCWTS 341
Db 194 QAVVYHGGYLPFRDPSNSENNDIALVHLSPLTEYIQVCLPAAGALVDGKICTVT 253
QY 342 GNGATEDGDGASPVLNHAAVPLISNKICNHRDVGIIISPSMLCAGYLTGGVDSQQGDSG 401
Db 254 GNGNTQYVGGQAGVLEQARVPIISNDVNCGADFYGNQIKPKMFCAGYPEGGIDACQDSG 313
QY 402 GPLVQGE-----RLMKLVGATSGFGCAEVNKPGVYTRVTSFLDWIHEOME 448
Db 314 GPFVCEDSISRTPRWRLCGIVSWGTCGALAQKPGVYTVKVSDFREWFQAIAK 364

RESULT 7
US-11-102-240-112
; Sequence 112, Application US/11102240
; Publication No. US20050260647A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESSION
; TITLE OF INVENTION: ESOPHAGEAL TUMOR
; FILE REFERENCE: P3230R1C106C
; CURRENT APPLICATION NUMBER: US/11/102,240
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 10/063662
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/170262
; PRIOR FILING DATE: 199-12-09
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 112
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-102-240-112
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Query Match      26.6%; Score 649.5; DB 7; Length 432;
Best Local Similarity 35.2%; Pred. No. 2.4e-52;
Matches 156; Conservative 74; Mismatches 144; Indels 69; Gaps 18;

QY 44 LPLKFPPIIVIGIITALLALA-----IGLGIHFDCSGKYRCRSFKC---IELIAR--- 91
Db 24 IPMETFRKVGIPITIIALLSLASIIIVVLIKVILD---KY-----YFLCGQPLHFIPIRQQL 76
QY 92 CDGVSDCKDGEDEYRC-----VRVGQNAVLOVFTAA--SWKTMCSDDDKGHYA 138
Db 77 CDGELDCPLGEDEEHCVKSPFEGPAVAVRLSKDRSTLQVLDSATGNWFSACFDNFTEALA 136
QY 139 NVACAQLGPPSVSSDNLRVSSLEGQPREEFVSDHLLPDDKVTALHSHSVYVREG---CA 195
Db 137 ETACQMGYSRAVE-----IGPDOLDVVEITENSQELMRNSSGPCL 179
QY 196 SGHVVTLOCTACGHRRGYSRIVGNNMSSLISOWPQASLQFGYHLCGGSVITPLWITA 255
Db 180 SGLSVSLHCLACG-KSLKTPRVVGGEASVDSWPQVSIQYDKQHVCGSILDPHWLTA 238
QY 256 AHCV---YDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIV---YHSKYKPKRLGNDIALMK 309
Db 239 AHCFRKHDTVF---NMKVRAGSDKL--GSFPFLAVAKIIIEFNPMY-PK--DNDIALMK 290
QY 310 LAGPLTFNEMIQVCLPNSSENFDPGKVCWTSWGAT--EDGDGASPVLNHAAVPLISNKI 368
Db 291 LQFPFTSGTWRPICLPFFDEELTPATPLWIGWFTKQNGGKMSDILLOASVQVIDSTR 350
QY 369 CNHRDVGIIISPSMLCAGYLTGGVDSQQGSGPLVCQERRLMKLVGATSGIGCAEVN 428
Db 351 CNADDAYQGEVTEKMWACAGIPGGVDTTCQSDGSGPLMYQSDQ--WHVVGVISWVGCGGSPS 409
QY 429 KPGVYTRVTSFLDWIHEQMERDL 451
Db 410 TPGVYTKVSAVNLNWIYNYWKAEL 432
```

RESULT 8

```
US-11-037-243-113
; Sequence 113, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 113
; LENGTH: 802
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-037-243-113

Query Match      22.8%; Score 556; DB 7; Length 802;
Best Local Similarity 32.3%; Pred. No. 2.1e-43;
Matches 152; Conservative 62; Mismatches 171; Indels 86; Gaps 20;
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QY 5 DPPAVEAPFSP--RSLFLGDLDDLKISFVAPADADAAVAQILSLPLKFPPIIVIGIITALLA 62
Db 385 DLFPCTGGQWTONRRLCGLRILO-----PYAERI-----PVTATGITTINFTSQISL 431
```

QY 63 LAIGLGIHF-----DCSGKYRCRSSFKEIILARCDGVSDCKDGEDEYRCVVRVGQNA 115
DB 432 TPGVVRVHGLYNQSDPCFGBFLCSVNGLC---VPACDGVKDCPNGLDERNCV----CFA 484
QY 116 VLQV---FTAAWKWTC-----SDDWKGHYANVACAQLGFP-----SYVSSDNLVRVSS 160
DB 485 TFQCKEDSTCISLPKVCDCQDPCLNGSDEBQEQGVPCGTFTFQCBDRSCVKKFN---PQ 541
QY 161 LSGQPREEFVSDHLLPDDKVTALHHSVVRGCSAGHVVTLOCTACGHRGVSRIYVG 220
DB 542 CDGR-----PD-----CRDGSDEH-----CD-CG-LQGPSSRIYVG 571
QY 221 NNSLLSQWPQASLOQFQVHLCGVSITPLWITTAHCVVDYLPKS--WTIOVGLVSL 278
DB 572 AVSSEGEWPQASLOVGRGRIHCGGALIADRWITAAHCFQEDSMASSTVLWTVFLGKV-WQ 630
QY 279 DNPAP---SHLVEKIVYHSKYKPKRLGNDIALMKLAGPLTFNEMIQVCLPNSSENFPPDG 335
DB 631 NSRWPGEVSKVSRLLHPVHEBDSDYDVALQLDHPVVRSAARVPCVCLPARSHFFEPG 690
QY 336 KVCWTSWGATDEGGDASPVNLHAAVPLISNKCINHRDVGIIISPSMLCAGVLTGGVDS 395
DB 691 LHCWITGWAALRGEGGIFSNALQKVDVQLIPQDLC--EAYRVQVTPRMLCAGTRKGGKDA 748
QY 396 CQDSDGGLVQCB--RLWLKLVGATSPGIGCAEVNKPVGVTYRTVTSFSLDWIHE 445
DB 749 CQDSDGGLVCKALSGRWFLAGLVSNGLGCGRPNYEGVYTRITGVLSWQQ 799

RESULT 9

US-10-995-561-536
; Sequence 536, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 536
; LENGTH: 638
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-536

Query Match 22.5%; Score 549.5; DB 6; Length 638;
Best Local Similarity 35.8%; Pred. No. 6.1e-43;
Matches 124; Conservative 57; Mismatches 116; Indels 49; Gaps 11;
QY 132 DWKHGANVACAQLGFPSPVSSDNLVRSSLEGOFREEFVSDHLLPDD----- 179
DB 301 DFGGEELNV-----TFVGVNVCOETCTKMIRCOFFTYS--LLPEDCKEKCFLRL 351
QY 180 ----KVTALHHSVVRGCSAGHVVTI-----OCTACGHRGYSRIYVGNNLSLQW 228
DB 352 SMDGSPTRI---AYGTQ--SSGYSRLCNTGDSNVCVT-----KTSTRIYVGNTSSGEW 402
QY 229 PQWASLOQF---GVHLCGVSITPLWITTAHCVVDYLPKSWTIOVGLVSLD--NPAP 283
DB 403 PQWQSVLQKLTAAORHLCCGSLIGHQWVLTAAHCFDGLPLQDVWRIYSGIILNLSIDYKDT 462
QY 284 SHLVEKIVYHSKYKPKRLGNDIALMKLAGPLTFNEMIQVCLPNSSENFPPDGKVCWTSW 343
DB 463 FSQIKEIHHQNVKVSSEHNDIALIKQAPLNTYEFQKPICLPSKGTSTIYTNVWTCW 522
QY 344 GATEDGGDASPVNLHAAVPLISNKCINHRDVGII--ISPSMLCAGVLTGGVDSQGDSDG 402
DB 523 GFSKEGEIQLQKVNIPLVNTEECQK--YQDYKITQRMVCAGYKEGKCKDGSDG 580

RESULT 11

US-11-037-243-108
; Sequence 108, Application US/11037243
; Publication No. US20050287546A1

QY 403 PLVCOERBLWLKLVGATSPGIGCAEVNKPVGVTYRTVTSFSLDWIHEQME 448
DB 581 PLVCKHGWRLVIGITSWGEGCARREQPGVYTKVAEYMDWILLEKTQ 626

RESULT 10

US-11-037-243-92
; Sequence 92, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: FLOWMAN, GREGORY
; APPLICANT: WHITE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 92
; LENGTH: 425
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-037-243-92

Query Match 21.7%; Score 529; DB 7; Length 425;
Best Local Similarity 30.3%; Pred. No. 2.8e-41;
Matches 135; Conservative 66; Mismatches 141; Indels 104; Gaps 12;
QY 46 LKFFPIIVIGIILALALGILGIHP-----DCSGKYRCRSSFKEI 86
DB 30 LALFTLAIVAII---GIAIGVITFHVVEDDKSFYFLASFKVTNIKENYGISSREFI 85
QY 87 E-----LIARCDGVSDCKDGEDEYRCVVRGQNAVLOVFTAASWKTCSDDDWKGHYAN 139
DB 86 ERSHQIERMSRI-----FRHSSVGRFI-----KSHVIK 115
QY 140 VACAQLG-----PFSYVSSDNLVRSSLEGOFREEFVSDHLLPDDKVTALHHSVY 189
DB 116 LSPDEQGVILVILFRYESTDSAEQIK-KKIE-----KALYQSLK 155
QY 190 VREGCASHVVTLOCTACGHRGYS-----RIVGNNMSSL--SQWPQASLOQFQ 238
DB 156 TKQLSLITNKPSFRLTRCGIRMTSSNMPLPASSSTQRIVQRETAMEGEPWQASLQLIG 215
QY 239 Y-HLCGVSITPLWITTAHCVVDYLPKSWTIOVGLVSLDNPAPSHLVEKIVYHSKYK 297
DB 216 SGHQCGASISNTWLTAAHCFWKNKDPQWIAATFG--ATITPPAVKRVNRKILHENYH 273
QY 298 PKRLGNDIALMKLAGPLTFNEMIQVCLPNSSENFPPDGKVCWTSWGATEDGGDASPVLN 357
DB 274 RETNENDIALVQLSTGVFEFSNIVQVCLPDSSIKLPKTSVFTVGTGFSIVDDGPIONTLR 333
QY 358 HAAVPLISNKCINHRDVGIIISPSMLCAGYLTGGVDSQGDSDGGLVCOERBLWLKLVGA 417
DB 334 QARVETISTDVCNRKVDYDGLITPGMLCAGFBGKIDACKDGSGLVVDNHDIIWTVGI 393
QY 418 TSPGIGCAEVNKPVGVTYRTVTSFSLDWI 443
DB 394 VSWGQSCALPKPKPGVYTRVTKYRDWI 419

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; GENERAL INFORMATION:
; APPLICANT: FLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 108
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-037-243-108

Query Match      21.7%; Score 529; DB 7; Length 850;
Best Local Similarity 33.6%; Pred. No. 6.7e-41;
Matches 133; Conservative 49; Mismatches 144; Indels 70; Gaps 14;

QY 75 GKYCRSFKIELIARCDGVSDCKDGEDEYKVCVRVGGONAVLQVFTTAASWKTMCSDDWK 134
Db 494 GSFRCSGLGCVPAQRCDCGVNDCFDSEDFCV-----SFQPACTSSSF 537
QY 135 GHYANVACAQLGFPYVSSDNLRLVSSLEQ-----FREEFVSIDHLL-- 176
Db 538 ROHGPLIC-----DGRFCENGDRQNCQTQSPCNWRTFKGNDICFRQNAKCDGTVCDC 592
QY 177 PDKVKTALHHSVYVREGCASGHVVTLCQACGHRGYSRIVGNGNMSLLSQWPQASLQF 236
Db 593 PDGS-----DEEGC-----TCRSSSALHRIIGGDTTLEGGWPQVSLHF 632
QY 237 QYHYHCGSVITPLMIITAAHCVDLYL--PKSWTIQVGLVSLLDNPPAPSHLVEKIVVHS 294
Db 633 VGSAYCGASVISREWLLSAAHCFHGNRLSDPTPTTAHLGMY-VQGNAKFVSPVRRIVVHE 691
QY 295 KYKPKELGNDIALMKL--AGPLTFNEMTOPVCLPNSSENFDPGKVCWTSGWGATEDGGD- 351
Db 692 YNSQTFDYDIALQLSLAMPETLQLIQPICPTGQVRSGEKCWVTGWRGRRHEADNK 751
QY 352 ASPVLNHAAPVLSIKNCHRDVYGGIISPSMLCAGYLTGGVDSQCGSGGGLVQCQRR- 410
Db 752 GSLVLQQAEEVELIDQTLG--VSTY-GIITSRLCAGIMSGKEDACKGDSGGPLSCRRKSD 808
QY 411 -LWKLVGATSFGIGCAEVNKPQVYTRVTSFPLDWIHE 445
Db 809 GKWILTGVSWGHGCGRPNFPQGVYTRVSNFVFWPIHK 844

RESULT 12
US-11-037-243-85
; Sequence 85, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: FLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26

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; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 85
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-037-243-85

Query Match      21.5%; Score 525; DB 7; Length 296;
Best Local Similarity 41.1%; Pred. No. 4.1e-41;
Matches 106; Conservative 39; Mismatches 91; Indels 22; Gaps 7;

QY 206 ACHRRGYSSRIVGNGNMSLLSQWPQASLQFGYHLCGGSVITPLMIITAAHCVDLYLP 265
Db 23 ACHGRE-IHALVAGVESARGRWPMQASLRURRRHRCGSLSRWVLSAAHCFQKHYP 81
QY 266 KSWTIQVGLVSLLDNPPAPSHLVEKIVVHSKYK-----PKRLG---NDIALMKLAGPLT 315
Db 82 SEWTVQLG--ELTSRPTPNL---RAYSSRYKVQDIIWVPDALGVLRNDIALLRASSVT 136
QY 316 FNEMIQVCLPNSSENFDPGKVCWTSGWGATEDGGDASPV---LNHAAVPLISNKICNH- 371
Db 137 YNAVITQPICBESSTFNFRPDPCWVTGWLISPSGTPLPPYPNLRQAQVITLNNTRCNLY 196
QY 372 --RDVYGGIISPSMLCAGYLTGGVDSQCGSGGGLVQCQRR-LWKLVGATSFGIGCAEVN 429
Db 197 FEQSSRSRMWDSMFCAGEDGSDTCKDGGGLVCLDQGLWYQVGVSWGMDCGQPNR 256
QY 430 PGVYTRVTSFPLDWIHEQM 447
Db 257 PGVYTNISVYFHWIRRYM 274

RESULT 13
US-11-137-465-56
; Sequence 56, Application US/11137465
; Publication No. US20050255558A1
; GENERAL INFORMATION:
; APPLICANT: Agarwal, Pankaj
; APPLICANT: Murdock, Paul R.
; APPLICANT: Rizvi, Safia, K.
; APPLICANT: Smith, Randall, F.
; APPLICANT: Xiang, Zhaoying
; APPLICANT: Kabinick, Karen
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GP50018
; CURRENT APPLICATION NUMBER: US/11/137,465
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US/10/239,663
; PRIOR FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/US01/09226
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/192,158
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: 60/192,668
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: 60/200,166
; PRIOR FILING DATE: 2000-04-27
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 56
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-137-465-56

Query Match      21.5%; Score 525; DB 7; Length 305;
Best Local Similarity 41.1%; Pred. No. 4.2e-41;
Matches 106; Conservative 39; Mismatches 91; Indels 22; Gaps 7;

QY 206 ACHRRGYSSRIVGNGNMSLLSQWPQASLQFGYHLCGGSVITPLMIITAAHCVDLYLP 265

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Db 32 ACGRRE-IHALVAGVESARGRWPQASLRRLRRHRCGSLSSRRWVLSAAHCFQKHYYP 90
QY 266 KSWTTQVGLVSLDNPAPSHLVEKIVYHSKYK-----PKRLG---NDIALMKLAGPLT 315
Db 91 SEWTTQLG--ELTSRTPWNL---RAYSSRYKVQDIIIVNPDALGVLNRDIALRLASSVT 145
QY 316 FNEMTQVCLPNSSENFDPGKVCWTSWGATEDGGDASPV--LNHAAVPLISNKNH- 371
Db 146 YNAYIQPICIESSTFNVRPDCWVTGWLGLSPSGTLPPLPPNLRQAQVITLNNTRCNVL 205
QY 372 --RDVYGGIISPSMLCAGYLTCGSDSCQDGGPLVCQBRRLMKLVGATSGFGICAEVKN 429
Db 206 FEQPSRSIMWDSMFCAGADGSDVTCGSDGSGPLVCDKDGWLYQVGVISWGWDCQPNR 265
QY 430 PGVYTRVTSFLDWIHEQM 447
Db 266 PGVYTNISVYFHWIRRM 283

RESULT 14

US-11-102-240-106
; Sequence 106, Application US/11102240
; Publication No. US20050260647A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin I.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS
; TITLE OF INVENTION: ESOPHAGEAL TUMOR
; FILE REFERENCE: P2330RIC106C
; CURRENT APPLICATION NUMBER: US/11/102,240
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 10/063662
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/170262
; PRIOR FILING DATE: 199-12-09
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 106
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-102-240-106

Query Match 21.4%; Score 522.5; DB 7; Length 423;
Best Local Similarity 30.7%; Pred. No. 1.1e-40;
Matches 138; Conservative 55; Mismatches 145; Indels 111; Gaps 14;
QY 52 IVIGIITALLAIGLGIHFDCKGKRCRSPKCIELIARCDGVSCKDGEDEYRCVRVG 111
Db 23 LVIFISLIVLAVCIGLVHY-----VRY- 45
QY 112 GONAVLQVFTAAASKWTKMCDKMGHYANVACAQLGFFSVSSDNLRVSSLEGQFREFFVS 171
Db 46 NQKTYNYSTLSFTT---DKLYAEFGREASNNFTMSQRLESVMKNAPYKSPLEEFVK 102
QY 172 -----IDHLL-----PD--DKVT--ALH-----HSVYV 190
Db 103 SQVIFKSQKHGVLAHMLLICRFHSTEDPETVDKIVQLVLHKLQDAVGPPKVDPHSVKI 162
QY 191 REGCASHVVTLOCT-----ACGHR-----GYSSRIYGGNMSLLSQWPQASLQFOG 238
Db 163 KK-----INKTETDSYLNHCCGTRRSKTLGQSLRIVGGTEVEGEWFPQASLQWDG 213
QY 239 YHLGGSVITPLWITTAHCVVDLYLPKSWTIQVGLVSLDNPAPSHL---VEKIVYHSK 295
Db 214 SHRCGATLNATWLVSAAHCFITYKNPARWTASFGVTI-----KPSNMKEGLARIIVHEK 268

QY 296 YKPRLGNDIALMKLAGPLTFNEMIQVCLPNSSENFDPGKVCWTSWGATEDGGDASPV 355
Db 269 YKHPSHDYDISLAELSSPVPTYNVHRVCLPDASVEFQPDGVMTFTGALKNDGYSONH 328
QY 356 LNHAAPVPLISNKNHNRDVIYGGIISPSMLCAGYLTCGSDSCQDGGPLVCQERR-LWKL 414
Db 329 LRQAQVTLIDATTCNEPOQAYNDAITPRMLCAGSLGKTDACQDGGPLVSSDARDIWL 388
QY 415 VGATSGFGICAEVKNKPGVYTRVTSFLDWI 443
Db 389 AGIVSWGDECAKPNKPGVYTRVTSFLDWI 417

RESULT 15

US-11-067-811-1
; Sequence 1, Application US/11067811
; Publication No. US20050260688A1
; GENERAL INFORMATION:
; APPLICANT: Morgan, Bruce A
; APPLICANT: Enshell-Scliffers, David
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR HAIR GROWTH
; FILE REFERENCE: 10287-083001
; CURRENT APPLICATION NUMBER: US/11/067,811
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: US 60/548,272
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 1
; LENGTH: 1042
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-067-811-1

Query Match 21.3%; Score 520.5; DB 7; Length 1042;
Best Local Similarity 33.2%; Pred. No. 5.3e-40;
Matches 127; Conservative 73; Mismatches 149; Indels 33; Gaps 15;
QY 85 CJIELTARCDGVSCKDGEDEYRCVRVG---GONAVLQVFTAAASKWTKMCDKMGHYANVA 141
Db 667 CVSRDLWCDGEADCSOSSDEWDCVTLSINNVSSFLMWHRRAATEHHVVCADGWQEIISQLA 726
QY 142 CAQLGF--PSYVSSDNLRVSSL--EQGFREFFVSIDHLLPDDKVTALHHSVYVREGCAG 197
Db 727 CKQMGLEFS-----VTKLIQEQEKEPRMLTLHSNWESLNGTTLHELLVNGQSCSR 778
QY 198 HVVTLQCTA--CGHRRG--YSSRIYGGNMSLLSQWPQASLQPO-GYHLCCGGSVITPLWI 252
Db 779 SKISLLCTKQDCGRRPAAARMKRIILGRTSRPGRWPMQCSLQSEPSGHICGCVLIARKWV 838
QY 253 ITAAHCYVDLYLPKSWTIQVGLVSLDNP-----PSHLVEKIVYHSKYKPKRLGNDIALMK 309
Db 839 LTAHACFEGRNAAVMKVVLG--INNLDHPSVFMQTRFVKTIILHPRYSRAVDYDISIVE 897
QY 310 LAGPLTFNEMIQVCLPNSSENFDPGKVCWTSWGATEDGGDASPV-LNHAAVPLISNKI 368
Db 898 LSEDISETGYRVPVCLPNEQWLEPDYCYITGWHM---GNKMPFKLQSGEVRILSLEH 954
QY 369 C-NHRDVIYGGIISPSMLCAGYLTCGSDSCQDGGPLVCQER-RRLMKLVGATSGFGIC-A 425
Db 955 CQSYFDM--KTITTRMICAGYESGTVDSCMGSDGGPLVCCKPGGRWTLFGLTSGWGYCFS 1012
QY 426 EVNKPQVYTRVTSFLDWIHEQM 447
Db 1013 KVLGPGVYNSVYFVEWIKRQI 1034

Search completed: January 6, 2006, 15:41:05
Job time : 10 secs

It's Page Book (uspo)

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OM nucleic - nucleic search, using sw model

Run on: January 7, 2006, 20:50:54 ; Search time 239.851 Seconds
(without alignments)
10093.927 Million cell updates/sec

Title: US-09-846-512-3

Perfect score: 1362

Sequence: 1 atgggggaaatgatccgcc.....agagagacataaaacctga 1362

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

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2: /cgn2_6/ptodata/1/ina/5 COMB.seq:*

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9: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1362	100.0	2412	3	US-09-999-833A-68
2	1362	100.0	2412	3	US-10-020-445A-68
3	1347.4	98.9	2440	3	US-09-949-016-5210
4	1347.4	98.9	2440	3	US-09-949-016-5211
5	1347.4	98.9	2440	3	US-09-949-016-5212
6	1329.4	97.6	2413	3	US-09-518-046-1
7	1329.4	97.6	2413	3	US-09-650-371-1
8	1303.2	95.7	2416	3	US-09-261-416-1
9	1188.4	87.3	2544	3	US-09-518-046-3
10	1188.4	87.3	2544	3	US-09-650-371-3
11	1225.6	16.6	1479	3	US-09-342-749-1
12	1225.6	16.6	1479	3	US-09-691-840-1
13	1225.6	16.6	1479	3	US-09-949-016-5203
14	1223.4	16.4	3245	3	US-09-759-143-929
15	1223.4	16.4	3245	3	US-10-012-896-929
16	1222.4	16.3	1476	3	US-09-759-143-931
17	1222.4	16.3	1476	3	US-10-012-896-931
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19	1222.4	16.3	1479	3	US-10-012-896-930
20	1220.2	16.2	2479	3	US-09-342-749-29
21	1220.2	16.2	2479	3	US-09-691-840-29
22	1220.2	16.2	2479	3	US-09-685-166A-894
23	1220.2	16.2	2479	3	US-09-679-426-894
24	1220.2	16.2	2479	3	US-09-759-143-894

ALIGNMENTS

RESULT 1

US-09-999-833A-68

; Sequence 68, Application US/09999833A
; Patent No. 6916648
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C65
; CURRENT APPLICATION NUMBER: US/09/999,833A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21

Sequence 894, App
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, PRIOR APPLICATION NUMBER: 60/077450
/, PRIOR FILING DATE: 1998-03-10
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/, PRIOR APPLICATION NUMBER: 60/077641
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/, PRIOR FILING DATE: 1998-03-11
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;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGGGAAATGATCGCGCTGCTGTTGAAGCCCCCTCTCATTCGAGTCGCTTTTGGC 60
DB 126 ATGGGGGAAATGATCGCGCTGCTGTTGAAGCCCCCTCTCATTCGAGTCGCTTTTGGC 185
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DB 186 CTTGATGATTTGAAATAGTCTGTTGCACCAAGATGCAGATGCTGTTGTCACAGATC 245
QY 121 CTGTCACTGCGCATGGAATTTTTCATCATCGTCAATGCGATCATTTGATGATA 180
DB 246 CTGTCACTGCGCATGGAATTTTTCATCATCGTCAATGCGATCATTTGATGATA 305
QY 181 TTAGCACTGGCCATTGCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGCTCG 240
DB 306 TTAGCACTGGCCATTGCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGCTCG 365
QY 241 TCATCCTTTTAAGTGTATCGAGCTGATAGTCCGATGTGACGAGTCTCGGATTCGAAAGAC 300
DB 366 TCATCCTTTTAAGTGTATCGAGCTGATAGTCCGATGTGACGAGTCTCGGATTCGAAAGAC 425
QY 301 GGGAGGAGCAGATPACCGCTGTGTCCGGTGGGTGGTTCAGAAATCCGCTGCTCCAGGTGTT 360
DB 426 GGGAGGAGCAGATPACCGCTGTGTCCGGTGGGTGGTTCAGAAATCCGCTGCTCCAGGTGTT 485
QY 361 ACAGCTGCTTCGTGGAGACCATGTCTCCGATGACTTGGGAAGGTCACTACGCAAAATGTT 420
DB 486 ACAGCTGCTTCGTGGAGACCATGTCTCCGATGACTTGGGAAGGTCACTACGCAAAATGTT 545
QY 421 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAACCTTCAGATGAGTCTG 480
DB 546 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAACCTTCAGATGAGTCTG 605
QY 481 CTGGAGGGGCGAGTTCGGGAGGAGTTGTTGTCATCATCCCTTCTGTCAGATGACAAG 540
DB 606 CTGGAGGGGCGAGTTCGGGAGGAGTTGTTGTCATCATCCCTTCTGTCAGATGACAAG 665
QY 541 GTGACTGCAATACCACTCAGTATATGTGAGGGAGGATGTGCTCTGSCCACTGGTTT 600
DB 666 GTGACTGCAATACCACTCAGTATATGTGAGGGAGGATGTGCTCTGSCCACTGGTTT 725
QY 601 ACCTTCGAGTGACAGCTGCTGTGTATAGAAAGGGCTACAGCTCAGCATCTGGGGTGA 660
DB 726 ACCTTCGAGTGACAGCTGCTGTGTATAGAAAGGGCTACAGCTCAGCATCTGGGGTGA 785
QY 661 AACATGTCTTGTCTGCGAGTGGCCCTGCGAGCCAGCTTCAGTTTCCAGGCTACCA 720
DB 786 AACATGTCTTGTCTGCGAGTGGCCCTGCGAGCCAGCTTCAGTTTCCAGGCTACCA 845
QY 721 CTGTGGGGGGCTGTGTCATCAGCCCCCTGTGATCATCACTGCTGCACTGTGTTAT 780
DB 846 CTGTGGGGGGCTGTGTCATCAGCCCCCTGTGATCATCACTGCTGCACTGTGTTAT 905
QY 781 GACTTGTACCTCCCAAGTCAAGCATCCAGTGGGTCTAGTTTCCCTGTTGGACAAT 840
DB 906 GACTTGTACCTCCCAAGTCAAGCATCCAGTGGGTCTAGTTTCCCTGTTGGACAAT 965
QY 841 CCAGCCCCATCCCACTTGGTGGAGAGTGTCTTACCAAGCAAGTACAAGCCAAAGAGG 900
DB 966 CCAGCCCCATCCCACTTGGTGGAGAGTGTCTTACCAAGCAAGTACAAGCCAAAGAGG 1025

QY 901 CTGGGCAATGACATCGCCCTTATGAGCTGGCGGGCCACTCACGTTCAATGAAATGATC 960
DB 1026 CTGGGCAATGACATCGCCCTTATGAGCTGGCGGGCCACTCACGTTCAATGAAATGATC 1085
QY 961 CAGCCCTGTGTGCTGCTGCCCAACTCTGAGAGAACTTCCCGATGGAAGTGTCTGGACG 1020
DB 1086 CAGCCCTGTGTGCTGCTGCCCAACTCTGAGAGAACTTCCCGATGGAAGTGTCTGGACG 1145
QY 1021 TCAGATGGGGGCCACAGAGATGAGGTGACGCTCCCTCTCTGAAACCAAGGACG 1080
DB 1146 TCAGATGGGGGCCACAGAGATGAGGTGACGCTCCCTCTCTGAAACCAAGGACG 1205
QY 1081 GTCCCTTTTGAATTTCCAAAGATCTGCAACCAAGATCTGCAACCAAGGACG 1140
DB 1206 GTCCCTTTTGAATTTCCAAAGATCTGCAACCAAGATCTGCAACCAAGGACG 1265
QY 1141 CCTTCATGCTCTGCGGGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGACAGC 1200
DB 1266 CCTTCATGCTCTGCGGGGCTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGACAGC 1325
QY 1201 GGGGGGCCCCCTGTGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGGAGGACGACGCTTT 1260
DB 1326 GGGGGGCCCCCTGTGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGGAGGACGACGCTTT 1385
QY 1261 GGCATCGGCTGGCGAGAGGTGAACAAAGCCTGGGGTGTACACCCGTTGTCACTCTTCTCTG 1320
DB 1386 GGCATCGGCTGGCGAGAGGTGAACAAAGCCTGGGGTGTACACCCGTTGTCACTCTTCTCTG 1445
QY 1321 GACTGATCCAGAGCAGATGGAGAGAGACCTTAAACCTGA 1362
DB 1446 GACTGATCCAGAGCAGATGGAGAGAGACCTTAAACCTGA 1487

RESULT 2

US-10-020-445A-68
; Sequence 68, Application US/10020445A
; Patent No. 6962797

GENERAL INFORMATION:

;; APPLICANT: Aeshkenazi, Avi
;; APPLICANT: Baker Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan
;; APPLICANT: Ferrara, Napoleon
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Hillan, Kenneth J.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Kuo, Sophia S.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James;
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Shelton, David L.
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2630P1C74
;; CURRENT APPLICATION NUMBER: US/10/020,445A
;; CURRENT FILING DATE: 2001-10-24
;; PRIOR APPLICATION NUMBER: 09/918585
;; PRIOR FILING DATE: 2001-07-30

1	PRIOR FILING DATE: 1998-04-09	
2	PRIOR APPLICATION NUMBER: 60/081955	
3	PRIOR FILING DATE: 1998-04-15	
4	PRIOR APPLICATION NUMBER: 60/081817	
5	PRIOR FILING DATE: 1998-04-15	
6	PRIOR APPLICATION NUMBER: 60/081819	
7	PRIOR FILING DATE: 1998-04-15	
8	PRIOR APPLICATION NUMBER: 60/081952	
9	PRIOR FILING DATE: 1998-04-15	
10	PRIOR APPLICATION NUMBER: 60/081838	
11	PRIOR FILING DATE: 1998-04-15	
12	PRIOR APPLICATION NUMBER: 60/082568	
13	PRIOR FILING DATE: 1998-04-21	
14	PRIOR APPLICATION NUMBER: 60/082569	
15	PRIOR FILING DATE: 1998-04-21	
16	PRIOR APPLICATION NUMBER: 60/082704	
17	PRIOR FILING DATE: 1998-04-22	
18	PRIOR APPLICATION NUMBER: 60/082804	
19	PRIOR FILING DATE: 1998-04-22	
20	PRIOR APPLICATION NUMBER: 60/082700	
21	PRIOR FILING DATE: 1998-04-22	
22	PRIOR APPLICATION NUMBER: 60/082797	
23	PRIOR FILING DATE: 1998-04-22	
24	PRIOR APPLICATION NUMBER: 60/082796	
25	PRIOR FILING DATE: 1998-04-23	
26	PRIOR APPLICATION NUMBER: 60/083336	
27	PRIOR FILING DATE: 1998-04-27	
28	PRIOR APPLICATION NUMBER: 60/083322	
29	PRIOR FILING DATE: 1998-04-28	
30	PRIOR APPLICATION NUMBER: 60/083392	
31	PRIOR FILING DATE: 1998-04-29	
32	PRIOR APPLICATION NUMBER: 60/083495	
33	PRIOR FILING DATE: 1998-04-29	
34	PRIOR APPLICATION NUMBER: 60/083496	
35	PRIOR FILING DATE: 1998-04-29	
36	PRIOR APPLICATION NUMBER: 60/083499	
37	PRIOR FILING DATE: 1998-04-29	
38	PRIOR APPLICATION NUMBER: 60/083545	
39	PRIOR FILING DATE: 1998-04-29	
40	PRIOR APPLICATION NUMBER: 60/083554	
41	PRIOR FILING DATE: 1998-04-29	
42	PRIOR APPLICATION NUMBER: 60/083558	
43	PRIOR FILING DATE: 1998-04-29	
44	PRIOR APPLICATION NUMBER: 60/083559	
45	PRIOR FILING DATE: 1998-04-29	
46	PRIOR APPLICATION NUMBER: 60/083500	
47	PRIOR FILING DATE: 1998-04-29	
48	PRIOR APPLICATION NUMBER: 60/083742	
49	PRIOR FILING DATE: 1998-04-30	
50	PRIOR APPLICATION NUMBER: 60/084366	
51	PRIOR FILING DATE: 1998-05-05	
52	PRIOR APPLICATION NUMBER: 60/084414	
53	PRIOR FILING DATE: 1998-05-06	
54	PRIOR APPLICATION NUMBER: 60/084441	
55	PRIOR FILING DATE: 1998-05-06	
56	PRIOR APPLICATION NUMBER: 60/084637	
57	PRIOR FILING DATE: 1998-05-07	
58	PRIOR APPLICATION NUMBER: 60/084639	
59	PRIOR FILING DATE: 1998-05-07	
60	PRIOR APPLICATION NUMBER: 60/084640	
61	PRIOR FILING DATE: 1998-05-07	
62	PRIOR APPLICATION NUMBER: 60/084640	
63	PRIOR FILING DATE: 1998-05-07	
64	PRIOR APPLICATION NUMBER: 60/084598	
65	PRIOR FILING DATE: 1998-05-07	
66	PRIOR APPLICATION NUMBER: 60/084639	
67	PRIOR FILING DATE: 1998-05-07	
68	PRIOR APPLICATION NUMBER: 60/085339	
69	PRIOR FILING DATE: 1998-05-13	
70	PRIOR APPLICATION NUMBER: 60/085338	
71	PRIOR FILING DATE: 1998-05-13	

; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGGGGGAAATGATCCCGCTGCTGTTGAAGCCCGCTTCTCATTCGATCGCTTTTGGC 60
Db 126 ATGGGGGAAATGATCCCGCTGCTGTTGAAGCCCGCTTCTCATTCGATCGCTTTTGGC 185
Qy 61 CTTGATGATTTGAAATAAGTCCCTGTTGACACAGATCGATGCTGTTGCTGCACAGATC 120
Db 186 CTTGATGATTTGAAATAAGTCCCTGTTGACACAGATCGATGCTGTTGCTGCACAGATC 245
Qy 121 CTGTCACTGCTGCCATTGAAGTCTTTTCCAAATCATCTGTTGGATCATTTGCATTGATA 180
Db 246 CTGTCACTGCTGCCATTGAAGTCTTTTCCAAATCATCTGTTGGATCATTTGCATTGATA 305
Qy 181 TTAGCACTGSCCAATGCTTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 240
Db 306 TTAGCACTGSCCAATGCTTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 365
Qy 241 TCATCCTTTAAGTGTATCGAGCTGATAGTCTCGATGACGAGTCTCGGATTCGAAGAC 300
Db 366 TCATCCTTTAAGTGTATCGAGCTGATAGTCTCGATGACGAGTCTCGGATTCGAAGAC 425
Qy 301 GGGGAGACAGTACCGCTGTGTCGGGTGGGTGCTCAGAAATGCTGCTCCAGGTGTC 360
Db 426 GGGGAGACAGTACCGCTGTGTCGGGTGGGTGCTCAGAAATGCTGCTCCAGGTGTC 485
Qy 361 ACAGCTGCTTGTGGGAAGACCATGCTGCTCCGATGACTGGAAGGTCTACTACGCAAAATGTT 420
Db 486 ACAGCTGCTTGTGGGAAGACCATGCTGCTCCGATGACTGGAAGGTCTACTACGCAAAATGTT 545
Qy 421 GCCTGTGCCCACTGGGTTTCCGAAGCTATGTGAGTTTCAATACCTCAGAGTGAGCTCG 480
Db 546 GCCTGTGCCCACTGGGTTTCCGAAGCTATGTGAGTTTCAATACCTCAGAGTGAGCTCG 605
Qy 481 CTGAGGGGCAATGCTCCGGAGAGTTTGTGTCATCGATCACTCTTCCGATGACAAG 540
Db 606 CTGAGGGGCAATGCTCCGGAGAGTTTGTGTCATCGATCACTCTTCCGATGACAAG 665
Qy 541 GTGACTGCATTACACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACGTGTT 600
Db 666 GTGACTGCATTACACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACGTGTT 725
Qy 601 ACCTTGCAATGCAAGCTGTGTTGATAGAAAGGGCTTACAGTCAAGCATGCTGGTGA 660
Db 726 ACCTTGCAATGCAAGCTGTGTTGATAGAAAGGGCTTACAGTCAAGCATGCTGGTGA 785
Qy 661 AACATGTCTTGTCTGCAAGTGGCTTGGCAGCGCCCTTCAAGTCCAGGGCTACCA 720
Db 786 AACATGTCTTGTCTGCAAGTGGCTTGGCAGCGCCCTTCAAGTCCAGGGCTACCA 845
Qy 721 CTGTGCGGGGCTCTGTGATCATCAAGCCCTGTGGATCATCACTGTGACACACTGTGTTAT 780
Db 846 CTGTGCGGGGCTCTGTGATCATCAAGCCCTGTGGATCATCACTGTGACACACTGTGTTAT 905

781 GACTTGTACTCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTTCCCTGTTGGACAAT 840
906 GACTTGTACTCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTTCCCTGTTGGACAAT 965
841 CAGCCCCATCCCACTTGGTGGAGAAATGTTCTACACAGAAAGTACAGCCCAAGAGG 900
966 CAGCCCCATCCCACTTGGTGGAGAAATGTTCTACACAGAAAGTACAGCCCAAGAGG 1025
901 CTGGGCAATGACATCCGCTTATGAAGCTGGCGGGCCACTCACTGTTCAATGAAATGATC 960
1026 CTGGGCAATGACATCCGCTTATGAAGCTGGCGGGCCACTCACTGTTCAATGAAATGATC 1085
961 CAGCCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGAAAAGTGTCTGGAGC 1020
1086 CAGCCTGTGTGCTGCTGCCAACTCTGAAGAGAACTTCCCGATGAAAAGTGTCTGGAGC 1145
1021 TCAGGATGGGGGCCACAGAGATGAGAGTGAAGCTTCCCTCTCTGAAACCAAGCGGCC 1080
1146 TCAGGATGGGGGCCACAGAGATGAGAGTGAAGCTTCCCTCTCTGAAACCAAGCGGCC 1205
1081 GTCCCTTTGATTTCCCAACAGATCTGCAACCAAGAGTGTACGGTGGCATCATCTCC 1140
1206 GTCCCTTTGATTTCCCAACAGATCTGCAACCAAGAGTGTACGGTGGCATCATCTCC 1265
1141 CCCTCCATGCTGTGCGGGCTTACCTGACGGGTGGGTGGAGTCCAGGGGGACAGC 1200
1266 CCCTCCATGCTGTGCGGGCTTACCTGACGGGTGGGTGGAGTCCAGGGGGACAGC 1325
1201 GGGGGGCTGCTGTGTGTCAGAGAGAGGCTGTGGAAGTTAGTGGAGGAGCAGCAGCTTT 1260
1326 GGGGGGCTGCTGTGTGTCAGAGAGAGGCTGTGGAAGTTAGTGGAGGAGCAGCAGCTTT 1385
1261 GGCATGGCTGCGCAGAGGTGAACAGCTGGGGTGTACACCCGTGTCACTCTCTCTG 1320
1386 GGCATGGCTGCGCAGAGGTGAACAGCTGGGGTGTACACCCGTGTCACTCTCTCTG 1445
1321 GACTGGATCCACGAGCAGATGGAGAGACCTAAAAACCTGA 1362
1446 GACTGGATCCACGAGCAGATGGAGAGACCTAAAAACCTGA 1487

RESULT 3

US-09-949-016-5210
; Sequence 5210, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5210
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5210

Query Match 98.9%; Score 1347.4; DB 3; Length 2440;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1361; Conservative 0; Mismatches 1; Indels 3; Gaps 1;

Qy 1 ATGGGGGAAATGATCCCGCTGCTGTTGAAGCCCGCTTCTCATTCGATCGCTTTTGGC 60

Db 202 ATGGGGGAAAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 261
Qy 61 CTTGATGATTTGAAATAAGTCTCTGTGACACAGATGAGATGCTGTGCTGCACAGATC 120
Db 262 CTTGATGATTTGAAATAAGTCTCTGTGACACAGATGAGATGCTGTGCTGCACAGATC 321
Qy 121 CTGTCACTGCTGCCATTTGAAGTTTTTTTCCAATCATCTGTCATTTGGGATCATTTGCATTGATA 180
Db 322 CTGTCACTGCTGCCATTTGAAGTTTTTTTCCAATCATCTGTCATTTGGGATCATTTGCATTGATA 381
Qy 181 TTAGCATGCGCCATTTGGTCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 240
Db 382 TTAGCATGCGCCATTTGGTCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 441
Qy 241 TCATCCCTTTAAGTGTATCAGCTGATAGCTTCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
Db 442 TCATCCCTTTAAGTGTATCAGCTGATAGCTTCGATGTGACGGAGTCTCGGATTTGCAAGAC 501
Qy 301 GGGGAGGACAGTACCGCTGTGTCGGGTGGTGGTCAAGATGCCGTGCTCCAGGTGTTTC 360
Db 502 GGGGAGGACAGTACCGCTGTGTCGGGTGGTGGTCAAGATGCCGTGCTCCAGGTGTTTC 561
Qy 361 ACAGCTGCTTCGTGGGAAGCCATGTGCTCCGATGACTGGAAGGGTCACTACGCAATGTT 420
Db 562 ACAGCTGCTTCGTGGGAAGCCATGTGCTCCGATGACTGGAAGGGTCACTACGCAATGTT 621
Qy 421 GCCTGTGCCCACTGGGTTTTCCCAAGCTATGTAGTTTCAGATTAACCTCAGATGAGCTCG 480
Db 622 GCCTGTGCCCACTGGGTTTTCCCAAGCTATGTAGTTTCAGATTAACCTCAGATGAGCTCG 681
Qy 481 CTGGAGGGCAGTTCCGGGAGAGTTTGTTCATCGATCACTCTTCGACATGACAAG 540
Db 682 CTGGAGGGCAGTTCCGGGAGAGTTTGTTCATCGATCACTCTTCGACATGACAAG 741
Qy 541 GTGACTGCTATTACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACGCTGGTT 600
Db 742 GTGACTGCTATTACCACTCAGTATATGTGAGGGAGGATGTGCTCTGGCCACGCTGGTT 801
Qy 601 ACCTTCAGTGCACAGCTGTGTCATAGAGGGGCTACAGTTCAGCATTCGTGGGTGA 660
Db 802 ACCTTCAGTGCACAGCTGTGTCATAGAGGGGCTACAGTTCAGCATTCGTGGGTGA 861
Qy 661 AACATGCTCTGCTCGCAGTGGCCCTGCGAGCCAGCTTCAGTTCAGGCGCTACCAAC 720
Db 862 AACATGCTCTGCTCGCAGTGGCCCTGCGAGCCAGCTTCAGTTCAGGCGCTACCAAC 921
Qy 721 CTGTGGGGGGCTCTGTCATCAGCCCTGTGATCATCACTGCTGCACACTGTGTTTAT 780
Db 922 CTGTGGGGGGCTCTGTCATCAGCCCTGTGATCATCACTGCTGCACACTGTGTTTAT 981
Qy 781 GACTTGTATCTCCCAAGTCAAGACATCCAGTCCAGTGGGTCTAGTTTCCCTGTTGGACAAT 840
Db 982 GACTTGTATCTCCCAAGTCAAGACATCCAGTCCAGTGGGTCTAGTTTCCCTGTTGGACAAT 1041
Qy 841 CCAGCCCCATCCACTTGTGGAGAGATTGTCTACCAAGCAAGTACAGCCAGAGAG 900
Db 1042 CCAGCCCCATCCACTTGTGGAGAGATTGTCTACCAAGCAAGTACAGCCAGAGAG 1101
Qy 901 CTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAATGATC 960
Db 1102 CTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAATGATC 1161
Qy 961 CAGCCTGTGTGCTGCCCAACTCTGAAAGAACTTCCCGATGGAAGATGTGCTGGAG 1020
Db 1162 CAGCCTGTGTGCTGCCCAACTCTGAAAGAACTTCCCGATGGAAGATGTGCTGGAG 1221
Qy 1021 TCAGGATGGGGGCCACAGAGATGG--AGGTGAGCCCTCCCTGCTCTGAAACACGCG 1077
Db 1222 TCAGGATGGGGGCCACAGAGATGGAGCAGGTGAGCGCTCCCTGCTCTGAAACACGCG 1281
Qy 1078 GCCGTCCCTTTGATTTCCCAACAGATCTGCAACACACAGGAGCGTGTACGGTGGCATCATC 1137
Db 1282 GCCGTCCCTTTGATTTCCCAACAGATCTGCAACACACAGGAGCGTGTACGGTGGCATCATC 1341

RESULT 4

US-09-949-016-5211
; Sequence 5211, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5211
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5211

Query Match 98.9%; Score 1347.4; DB 3; Length 2440;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 1361; Conservative 0; Mismatches 1; Indels 3; Gaps 1;

Qy 1 ATGGGGGAAAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
Db 202 ATGGGGGAAAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 261
Qy 61 CTTGATGATTTGAAATAAGTCTCTGTGACACAGATGAGATGCTGTGCTGCACAGATC 120
Db 262 CTTGATGATTTGAAATAAGTCTCTGTGACACAGATGAGATGCTGTGCTGCACAGATC 321
Qy 121 CTGTCACTGCTGCCATTTGAAGTTTTTTTCCAATCATCTGTCATTTGGGATCATTTGCATTGATA 180
Db 322 CTGTCACTGCTGCCATTTGAAGTTTTTTTCCAATCATCTGTCATTTGGGATCATTTGCATTGATA 381
Qy 181 TTAGCATGCGCCATTTGGTCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 240
Db 382 TTAGCATGCGCCATTTGGTCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 441
Qy 241 TCATCCCTTTAAGTGTATCAGCTGATAGCTTCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
Db 442 TCATCCCTTTAAGTGTATCAGCTGATAGCTTCGATGTGACGGAGTCTCGGATTTGCAAGAC 501
Qy 301 GGGGAGGACAGTACCGCTGTGTCGGGTGGTGGTCAAGATGCCGTGCTCCAGGTGTTTC 360
Db 502 GGGGAGGACAGTACCGCTGTGTCGGGTGGTGGTCAAGATGCCGTGCTCCAGGTGTTTC 561
Qy 361 ACAGCTGCTTCGTGGGAAGCCATGTGCTCCGATGACTGGAAGGGTCACTACGCAATGTT 420

562 ACAGCTGCTCGTGGGAACCATGTGCTCCGATGACTGGAAAGGTCACCTACGCAATGTT 621
421 GCCTGTGCCCACTCGGGTTTCCAAAGCTATGTGAGTTTCAGATAACCTCAGAGTGAGCTCG 480
622 GCCTGTGCCCACTCGGGTTTCCAAAGCTATGTGAGTTTCAGATAACCTCAGAGTGAGCTCG 681
481 CTGAGGGGCGAGTTCCGGGAGGAGTTTGTGTCATCGATCACCCTCTTGGCAGATGACAAG 540
682 CTGAGGGGCGAGTTCCGGGAGGAGTTTGTGTCATCGATCACCCTCTTGGCAGATGACAAG 741
541 GTGACTGCAATTACCACTCAGTATATGTAGAGGGGATGTGCTCTGCGCCACGTGGTT 600
742 GTGACTGCAATTACCACTCAGTATATGTAGAGGGGATGTGCTCTGCGCCACGTGGTT 801
601 ACCTTGAGTGCACAGCCTGTGTCATAGAGGGGCTACAGCTCAGCAGCTCGTGGGTGA 660
802 ACCTTGAGTGCACAGCCTGTGTCATAGAGGGGCTACAGCTCAGCAGCTCGTGGGTGA 861
661 AACATGTCCCTTGTCTCGCAGTGGCCCTTGGCAGGCCAGCCTTCAGTTCAGAGGCTACCCAC 720
862 AACATGTCCCTTGTCTCGCAGTGGCCCTTGGCAGGCCAGCCTTCAGTTCAGAGGCTACCCAC 921
721 CTGTGCGGGGCTCTGTCAATCAACGCCCTGTGATCATCATCTGCTGCACTGTGTTTAT 780
922 CTGTGCGGGGCTCTGTCAATCAACGCCCTGTGATCATCATCTGCTGCACTGTGTTTAT 981
781 GACTTGTACTTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTTCCCTGTGGCAAT 840
982 GACTTGTACTTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTTCCCTGTGGCAAT 1041
841 CAGGCCCATCCCACTTGGTGGAGAGATTGTCTACCAAGCAAGTACAAAGCAAGAGG 900
1042 CAGGCCCATCCCACTTGGTGGAGAGATTGTCTACCAAGCAAGTACAAAGCAAGAGG 1101
901 CTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCACTCAAGTTCAATGAATGATC 960
1102 CTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCACTCAAGTTCAATGAATGATC 1161
961 CAGCCTGTGTGCTGCCCACTCTGAAGAACTTCCCGATGGAAAGTGTCTGGAGC 1020
1162 CAGCCTGTGTGCTGCCCACTCTGAAGAACTTCCCGATGGAAAGTGTCTGGAGC 1221
1021 TCAGGATGGGGGCGCACAGAGGATGG---AGGTGACGCTTCCCTGTCTGAAACCAAGCGG 1077
1222 TCAGGATGGGGGCGCACAGAGGATGGAGAGGTGAGCAGGTGAGCGCTTCCCTGTCTGAAACCAAGCGG 1281
1078 GCGGTCCCTTTGATTTCCAAACAGATCTGCAACCAAGGACGTGTAAGGTGGCATCATC 1137
1282 GCGGTCCCTTTGATTTCCAAACAGATCTGCAACCAAGGACGTGTAAGGTGGCATCATC 1341
1138 TCCCTTCCATGTCTGCGGGGCTACCTGAACGGGTGGGTGGACAGCTGCCAGGGGAC 1197
1342 TCCCTTCCATGTCTGCGGGGCTACCTGAACGGGTGGGTGGACAGCTGCCAGGGGAC 1401
1198 AGCGGGGGCCCTGTGTCTGAAGAGAGAGGCTGTGGAAGTTAGTGGAGAGCAGCCAGC 1257
1402 AGCGGGGGCCCTGTGTCTGAAGAGAGAGGCTGTGGAAGTTAGTGGAGAGCAGCCAGC 1461
1258 TTTGGCATCGGCTGCGCAGAGGTGAACAAGCCTGGGGTGTACACCCGTGTCACTCTTC 1317
1462 TTTGGCATCGGCTGCGCAGAGGTGAACAAGCCTGGGGTGTACACCCGTGTCACTCTTC 1521
1318 CTGGAATGGAATCCACGAGCAGATGGAGAGAGACCTTAAACCTGA 1362
1522 CTGGAATGGAATCCACGAGCAGATGGAGAGAGACCTTAAACCTGA 1566

RESULT 5
US-09-949-016-5212
; Sequence 5212, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5212
; LENGTH: 2440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5212

Query Match 98.9%; Score 1347.4; DB 3; Length 2440;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1361; Conservative 0; Mismatches 1; Indels 3; Gaps 1;
QY 1 ATGGGGGAAAAATGATCCGCTGCTGTGAAAGCCCTTCTCATTCGATCGCTTTTGGC 60
DB 202 ATGGGGGAAAAATGATCCGCTGCTGTGAAAGCCCTTCTCATTCGATCGCTTTTGGC 261
QY 61 CTTGATGATTTCNAATAAGTCTCTGTCACAGATGACAGATGCTGTGCTGCACAGATC 120
DB 262 CTTGATGATTTCNAATAAGTCTCTGTCACAGATGACAGATGCTGTGCTGCACAGATC 321
QY 121 CTGTCACTCTGCTGCATTGAAGTTTTTCCAAATCATCGTCAATGGGATCAATTCATTGATA 180
DB 322 CTGTCACTCTGCTGCATTGAAGTTTTTCCAAATCATCGTCAATGGGATCAATTCATTGATA 381
QY 181 TTAGCACTGGCCAAATGGTCTGGGCAATCCATTCTGCACTGCTCAGGGAAGTACAGATGTCG 240
DB 382 TTAGCACTGGCCAAATGGTCTGGGCAATCCATTCTGCACTGCTCAGGGAAGTACAGATGTCG 441
QY 241 TCATCCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTCGAAAGAC 300
DB 442 TCATCCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTCGAAAGAC 501
QY 301 GGGGAGGACGAGTACCGCTGTGTCCGGGTGGGTGGTTCAGAAATGCGGTGCTCCAGGTGTTTC 360
DB 502 GGGGAGGACGAGTACCGCTGTGTCCGGGTGGGTGGTTCAGAAATGCGGTGCTCCAGGTGTTTC 561
QY 361 ACAGCTGCTTGTGGGAAGACCATGTGCTCCGATGACTGGAAGGTCATACGCAAAATGTT 420
DB 562 ACAGCTGCTTGTGGGAAGACCATGTGCTCCGATGACTGGAAGGTCATACGCAAAATGTT 621
QY 421 GCCTGTGCCCACTCGGGTTTCCCAAGCTATGTAGTTTCAGATAACCTCAGAGTGAGCTCG 480
DB 622 GCCTGTGCCCACTCGGGTTTCCCAAGCTATGTAGTTTCAGATAACCTCAGAGTGAGCTCG 681
QY 481 CTGAGGGGCGAGTTCCGGGAGGAGTTTGTGTCATCGATCACCTCTTGGCAGATGACAAG 540
DB 682 CTGAGGGGCGAGTTCCGGGAGGAGTTTGTGTCATCGATCACCTCTTGGCAGATGACAAG 741
QY 541 GTGACTGCAATTACCACTCAGTATATGTAGAGGGGATGTGCTCTGCGCCACGTGGTT 600
DB 742 GTGACTGCAATTACCACTCAGTATATGTAGAGGGGATGTGCTCTGCGCCACGTGGTT 801
QY 601 ACCTTGAGTGCACAGCCTGTGTCATAGAGGGGCTACAGCTCAGCAGCTCGTGGGTGA 660
DB 802 ACCTTGAGTGCACAGCCTGTGTCATAGAGGGGCTACAGCTCAGCAGCTCGTGGGTGA 861
QY 661 AACATGTCCCTTGTCTCGCAGTGGCCCTTGGCAGGCCAGCCTTCAGTTCAGAGGCTACCCAC 720
DB 862 AACATGTCCCTTGTCTCGCAGTGGCCCTTGGCAGGCCAGCCTTCAGTTCAGAGGCTACCCAC 921
QY 721 CTGTGCGGGGCTCTGTCAATCAACGCCCTGTGATCATCATCTGCTGCACTGTGTTTAT 780

Db 922 CTGTGGGGGGCTGTGTATCATACGCCCTGTGTGATCATCACTGTGCACACTGTGTTAT 981
QY 781 GACTTTGTACCTCCCAAGTCATGGACCATCCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 840
Db 982 GACTTTGTACCTCCCAAGTCATGGACCATCCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 1041
QY 841 CCAGGCCCATCCACTTGGTGGAGAGATTGTCTACCAAGCAAGTCAAGCAAGCAAGAGG 900
Db 1042 CCAGGCCCATCCACTTGGTGGAGAGATTGTCTACCAAGCAAGTCAAGCAAGCAAGAGG 1101
QY 901 CTGGCAATAGCATGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAATGATC 960
Db 1102 CTGGCAATAGCATGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAATGATC 1161
QY 961 CAGCCTGTGTGCTGCCCACTCTGAAGAGAACTTCCCGATGGAAAAGTGTCTGGAGG 1020
Db 1162 CAGCCTGTGTGCTGCCCACTCTGAAGAGAACTTCCCGATGGAAAAGTGTCTGGAGG 1221
QY 1021 TCAGGATGGGGGCCACAGAGGATGG---AGGTGACGCTCCCTGTCTCTGAACCAAGCG 1077
Db 1222 TCAGGATGGGGGCCACAGAGGATGGAGCAGGTGAGCGTCCCTGTCTCTGNAACCAAGCG 1281
QY 1078 GCCGTCCCTTGAATTTCCAAAGATCTGCAACCAAGAGAGCTGTACGGTGGCATATC 1137
Db 1282 GCCTGCTCCCTTGAATTTCCAAAGATCTGCAACCAAGAGAGCTGTACGGTGGCATATC 1341
QY 1138 TCCCTCTCATCTCTGCGGGGCTACCTGACGGGTGGGTGGAGAGCTGCCAGGGGAC 1197
Db 1342 TCCCTCTCATCTCTGCGGGGCTACCTGACGGGTGGGTGGAGAGCTGCCAGGGGAC 1401
QY 1198 AGCGGGGGGCCCTGCTGTGTCAAGAGAGAGGCTGTGAAGTTAGTGGAGCGACCAAGC 1257
Db 1402 AGCGGGGGGCCCTGCTGTGTCAAGAGAGAGGCTGTGAAGTTAGTGGAGCGACCAAGC 1461
QY 1258 TTTGGCATCGGTGGCGAGAGGTGAACAGCGCTGGGGTGTACACCGTGTCTACCTCCTTC 1317
Db 1462 TTTGGCATCGGTGGCGAGAGGTGAACAGCGCTGGGGTGTACACCGTGTCTACCTCCTTC 1521
QY 1318 CTGGATCTGATCCAGAGCAGATGGAGAGAGACTTAATAAACCTGA 1362
Db 1522 CTGGATCTGATCCAGAGCAGATGGAGAGAGACTTAATAAACCTGA 1566

RESULT 6

US-09-518-046-1
; Sequence 1, Application US/09518046
; Patent No. 6294663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; CURRENT FILING DATE: 2000-03-02
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 1
; LENGTH: 2413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 gene
US-09-518-046-1

Query Match 97.6%; Score 1329.4; DB 3; Length 2413;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1356; Conservative 0; Mismatches 6; Indels 3; Gaps 2;
QY 1 ATGGGGGAAATGATCCGCTGTGTTGAAGCCCTTCTCATTCGATCGCTTTTGGC 60
|||||

Db 144 ATGGGGGAAATGATCCGCTGTGTTGAAGCCCTTCTCATTCGATCGCTTTTGGC 203
QY 61 CTTCATGATTTGAAAAATAAGTCTGTGTCACACAGATGAGATGCTGTGTCGACAGATC 120
Db 204 CTTCATGATTTGAAAAATAAGTCTGTGTCACACAGATGAGATGCTGTGTCGACAGATC 263
QY 121 CTGTCACTGTCTGCCATT--GAAAGTTTTTCCAATCATCGTCAATT--GGGATCATTCGATTG 177
Db 264 CTGTCACTGTCTGCCATTGGAAGTTTTTCCCAATCATCGTCAATTGGGGATCATTCGATTG 323
QY 178 ATATTAGCACTGGGCATTTGGTCTGGGCATCCACTTTCGACTCTCAGGGAAGTACAGATGT 237
Db 324 ATATTAGCACTGGGCATTTGGTCTGGGCATCCACTTTCGACTCTCAGGGAAGTACAGATGT 383
QY 238 CGCTCATCTTTAAGTGTATCGAGCTGATAGCTGATGACGGAGTCTCGGATTTGCAAA 297
Db 384 CGCTCATCTTTAAGTGTATCGAGCTGATTAACCTGATGTGACGGAGTCTCGGATTTGCAAA 443
QY 298 GACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGGTTCAGAAATGCCGTGTCTCCAGGTG 357
Db 444 GACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGGTTCAGAAATGCCGTGTCTCCAGGTG 503
QY 358 TTTCACAGCTGCTTCTGTGGAAACCATGTGTCTCCGATGACTGGAAAGGTTCATTCGCAAAAT 417
Db 504 TTTCACAGCTGCTTCTGTGGAAACCATGTGTCTCCGATGACTGGAAAGGTTCATTCGCAAAAT 563
QY 418 GTTGCCTGTGCCCCAACCTGGGTTCCTCAAGCTATGTGAGTTTCAGATAAATCTCAGAGTGAGC 477
Db 564 GTTGCCTGTGCCCCAACCTGGGTTCCTCAAGCTATGTGAGTTTCAGATAAATCTCAGAGTGAGC 623
QY 478 TCGCTGGAGGGGAGTTCGGGGAGGAGTTTGTGTCCATCGATCACTCTTTCGACAGATGAC 537
Db 624 TCGCTGGAGGGGAGTTCGGGGAGGAGTTTGTGTCCATCGATCACTCTTTCGACAGATGAC 683
QY 538 AAGTGAATCTGATTAACCACTAGTATATGTGAGGAGGAGTGTGCTCTGGCCACAGTG 597
Db 684 AAGTGAATCTGATTAACCACTAGTATATGTGAGGAGGAGTGTGCTCTGGCCACAGTG 743
QY 598 GTTACCTTTCAGTGCACAGCTGTGTCATAGAGGGGCTACAGCTCAGCATCGTGGGT 657
Db 744 GTTACCTTTCAGTGCACAGCTGTGTCATAGAGGGGCTACAGCTCAGCATCGTGGGT 803
QY 658 GGAACATGTCTTGTCTCTCGCAGTGGCCCTGGCAGGCGCAGCTTCAGTTCCAGGGCTAC 717
Db 804 GGAACATGTCTTGTCTCTCGCAGTGGCCCTGGCAGGCGCAGCTTCAGTTCCAGGGCTAC 863
QY 718 CACTGTGCGGGGGCTCTGTATACACGCCCTGTGGATCATCATCTGTGTCACACTGTGTT 777
Db 864 CACTGTGCGGGGGCTCTGTATACACGCCCTGTGGATCATCATCTGTGTCACACTGTGTT 923
QY 778 TATGACTTGTACCTCCCAAGTTCATGGACCATCCAGTGGGTCTAGTTTCCCTGTTGGAC 837
Db 924 TATGACTTGTACCTCCCAAGTTCATGGACCATCCAGTGGGTCTAGTTTCCCTGTTGGAC 983
QY 838 AATCAGGCCCATCCCACTTGGTGGAGAGATTGTCTACCAAGCAAGTACAGGCAAG 897
Db 984 AATCAGGCCCATCCCACTTGGTGGAGAGATTGTCTACCAAGCAAGTACAGGCAAG 1043
QY 898 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAATG 957
Db 1044 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATGAATG 1103
QY 958 ATCCAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCTGG 1017
Db 1104 ATCCAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCTGG 1163
QY 1018 AGCTCAGGATGGGGGCCACAGAGATGAGAGTGAACGCTCCCTGTCTCTGAACCAAGCG 1077
Db 1164 AGCTCAGGATGGGGGCCACAGAGATGAGAGTGAACGCTCCCTGTCTCTGAACCAAGCG 1223
QY 1078 GCCGTCCCTTGAATTTCAAAGATCTGCAACCAAGGAGAGTGTACGTTGGCATCATC 1137
Db 1224 GCCGTCCCTTGAATTTCAAAGATCTGCAACCAAGGAGAGTGTACGTTGGCATCATC 1283

1138 TCCCTCCATGCTCTCGCGGGCTACCTGACCGGGTGGGTGACAGAGCTGCCAGGGGAC 1197
1284 TCCCTCCATGCTCTCGCGGGCTACCTGACCGGGTGGGTGACAGAGCTGCCAGGGGAC 1343
1198 AGCGGGGGCCCTGTGTGTCAAGAGAGAGAGCTGTGGAAGTTAGTGGAGGACGAC 1257
1344 AGCGGGGGCCCTGTGTGTCAAGAGAGAGAGCTGTGGAAGTTAGTGGAGGACGAC 1403
1258 TTTGGCATCGGCTGCCAGAGGTGAACAAGCTGGGGTGTACACCGTGTCACTCTCTTC 1317
1404 TTTGGCATCGGCTGCCAGAGGTGAACAAGCTGGGGTGTACACCGTGTCACTCTCTTC 1463
1318 CTGACTGGATCCACGAGCAGATGGAGAGAGCTTAAACCTGA 1362
1464 CTGACTGGATCCACGAGCAGATGGAGAGAGCTTAAACCTGA 1508

RESULT 7
US-09-650-371-1
; Sequence 1, Application US/09650371
; Patent No. 6942978
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650,371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 1
; LENGTH: 2413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 gene
US-09-650-371-1

Query Match 97.6%; Score 1329.4; DB 3; Length 2413;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1356; Conservative 0; Mismatches 6; Indels 3; Gaps 2;
1 ATCGGGGAAATGATCGCTGTGTGGAAGCCCTTCTCATTCGATCGCTTTTGGC 60
144 ATCGGGGAAATGATCGCTGTGTGGAAGCCCTTCTCATTCGATCGCTTTTGGC 203
61 CTTGATGATTTGAAATAAGTCTGTGACACGATGACAGATGCTGTGCTGCACAGATC 120
204 CTTGATGATTTGAAATAAGTCTGTGACACGATGACAGATGCTGTGCTGCACAGATC 263
121 CTGTCACTGTGCATTTT -GAGATTTTTCATCATCGTCATT -GGGATCATTTGCAATTG 177
264 CTGTCACTGTGCATTTTGAAGTTTTCATCATCGTCATTGCGGATCATTCGATTG 323
178 ATATTAGCACTGGCCATTTGTCTGGGATCCACTTCGACTGTCTCAGGAAAGTACAGATG 237
324 ATATTAGCACTGGCCATTTGTCTGGGATCCACTTCGACTGTCTCAGGAAAGTACAGATG 383
238 CGCTCATCTTTAAGTGTATCGAGCTGATAGCTGATGACCGAGTCTCGGATTCGAAA 297
384 CGCTCATCTTTAAGTGTATCGAGCTGATAACTCGATGTGACGAGTCTCGGATTCGAAA 443
298 GACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAGAAATCGCTGCCAGGTG 357
444 GACGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAGAAATCGCTGCCAGGTG 503
358 TTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGTGGAAGGCTCACTACGCAAT 417
504 TTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGTGGAAGGCTCACTACGCAAT 563

QY 418 GTTGCTGTGCCAACTGGGTTTCCAAAGCTATGTAGTTTCCAGATAA CCTCAGAGTGAGC 477
DB 564 GTTGCTGTGCCAACTGGGTTTCCAAAGCTATGTAGTTTCCAGATAA CCTCAGAGTGAGC 623
QY 478 TCGCTGGAGGGGAGTTCCGGAGGAGTTTGTCCATCGATCACTCTTGGCCAGATGAC 537
DB 624 TCGCTGGAGGGGAGTTCCGGAGGAGTTTGTCCATCGATCACTCTTGGCCAGATGAC 683
QY 538 AAGGTGACTGCTATACCACTCAGTATATGTGAGGGAGGGATGTCCCTCTGGCCACGCTG 597
DB 684 AAGGTGACTGCTATACCACTCAGTATATGTGAGGGAGGGATGTCCCTCTGGCCACGCTG 743
QY 598 GTTACCTTGCAGTGACAGCTGTGTGTATAGAGGGGCTACAGCTCAGCGATCTGGGGT 657
DB 744 GTTACCTTGCAGTGACAGCTGTGTGTATAGAGGGGCTACAGCTCAGCGATCTGGGGT 803
QY 658 GGAACATGTCTTGTCTCGCAGTGGCCCTGGCAGGCGAGCTTCAGTTCCAGGGCTAC 717
DB 804 GGAACATGTCTTGTCTCGCAGTGGCCCTGGCAGGCGAGCTTCAGTTCCAGGGCTAC 863
QY 718 CACCTGTGGGGGGCTCTGTCTACGCGCCCTGTGTGATCATCACTGCTGCACACTGTGT 777
DB 864 CACCTGTGGGGGGCTCTGTCTACGCGCCCTGTGTGATCATCACTGCTGCACACTGTGT 923
QY 778 TATGACTTGTACTCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTTCCCTGTGGAC 837
DB 924 TATGACTTGTACTCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTTCCCTGTGGAC 983
QY 838 AATCCAGCCCATCCCACTTGTGTGGAGAGATGTCTACACAGAAAGTACAGCCAAAG 897
DB 984 AATCCAGCCCATCCCACTTGTGTGGAGAGATGTCTACACAGAAAGTACAGCCAAAG 1043
QY 898 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCAGCTTCAATGAAATG 957
DB 1044 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCAGCTTCAATGAAATG 1103
QY 958 ATCCAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAGTGTGCTGG 1017
DB 1104 ATCCAGCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAAGTGTGCTGG 1163
QY 1018 AGTCAAGATGGGGGCCACAGAGATGGAGTGGAGCTCCCTCTCTGTAACCAAGCG 1077
DB 1164 AGTCAAGATGGGGGCCACAGAGATGGAGTGGAGCTCCCTCTCTGTAACCAAGCG 1223
QY 1078 GCGTCCCTTGTATTTCCCAAGATCTCAACACAGAGAGCTGTACGCTGGCATCATC 1137
DB 1224 GCGTCCCTTGTATTTCCCAAGATCTCAACACAGAGAGCTGTACGCTGGCATCATC 1283
QY 1138 TCCCTCCATGCTCTGCGGGCTACCTGAACGGGTGGGTGGAGCAGCTGCCAGGGGAC 1197
DB 1284 TCCCTCCATGCTCTGCGGGCTACCTGAACGGGTGGGTGGAGCAGCTGCCAGGGGAC 1343
QY 1198 AGCGGGGGCCCTGTGTGTCAAGAGAGAGCTGTGGAAGTTAGTGGAGGACGAC 1257
DB 1344 AGCGGGGGCCCTGTGTGTCAAGAGAGAGCTGTGGAAGTTAGTGGAGGACGAC 1403
QY 1258 TTTGGCATCGGCTGCCAGAGGTGAACAAGCTGGGGTGTACACCGTGTCACTCTCTTC 1317
DB 1404 TTTGGCATCGGCTGCCAGAGGTGAACAAGCTGGGGTGTACACCGTGTCACTCTCTTC 1463
QY 1318 CTGACTGGATCCACGAGCAGATGGAGAGAGCTTAAACCTGA 1362
DB 1464 CTGACTGGATCCACGAGCAGATGGAGAGAGCTTAAACCTGA 1508

RESULT 8
US-09-261-416-1
; Sequence 1, Application US/09261416A
; Patent No. 6291663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.

; TITLE OF INVENTION: TADG-12: A No. 6291663el Transmembrane Serine Protease
; FILE OF INVENTION: Overexpressed in Ovarian Carcinoma
; FILE REFERENCE: D6192
; CURRENT APPLICATION NUMBER: US/09/261,416A
; CURRENT FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 1
; LENGTH: 2416
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: 144..1511
; OTHER INFORMATION: CDS
US-09-261-416-1

Query Match 95.7%; Score 1303.2; DB 3; Length 2416;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 1354; Conservative 0; Mismatches 8; Indels 6; Gaps 4;
QY 1 ATGGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
Db 144 ATGGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 203
QY 61 CTTGATGATTTGAAATAAGTCTCTGTGCACAGATGCAGATGCTGTGCTGCACAGATC 120
Db 204 CTTGATGATTTGAAATAAGTCTCTGTGCACAGATGCAGATGCTGTGCTGCACAGATC 263
QY 121 CTGTCACTGCTGCCATT--GAAGTTTTTCCAAATCATGTCATT--GGATCATTTGCATTG 177
Db 264 CTGTCACTGCTGCCATTGGAAGTTTTTCCAAATCATGTCATTGCGGATCATTTGCAATTG 323
QY 178 ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGAACTACAGATGT 237
Db 324 ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGAACTACAGATGT 383
QY 238 CGCTCATCTTTAAGTGTATCCAGCTGATAGCTCGATGTGACGAGTCTCGGATTTGCAAA 297
Db 384 CGCTCATCTTTAAGTGTATCCAGCTGATAGCTCGATGTGACGAGTCTCGGATTTGCAAA 443
QY 298 GACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGCTCAGATGCGCTGCTCCAGGTG 357
Db 444 GACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGCTCAGATGCGCTGCTCCAGGTG 503
QY 358 TTCACAGCTGCTTCGTGGAAGACCATGTCTCCGATGACTGGAAGGCTCACTACCAAT 417
Db 504 TTCACAGCTGCTTCGTGGAAGACCATGTCTCCGATGACTGGAAGGCTCACTACCAAT 563
QY 418 GTTGCTGTGCCCAACTGGTTTCCCAAGCTATGTAGTTTCAGATAAACCCTCAGAGTGAGC 477
Db 564 GTTGCTGTGCCCAACTGGTTTCCCAAGCTATGTAGTTTCAGATAAACCCTCAGAGTGAGC 623
QY 478 TCGCTGGAGGGCAGTTCCGGAGAGATTGTGTCATCGATCACTCTTGGCCAGATGAC 537
Db 624 TCGCTGGAGGGCAGTTCCGGAGAGATTGTGTCATCGATCACTCTTGGCCAGATGAC 683
QY 538 AAGGTGACTGCAATTACACACTCAGTATATGTAGGAGGGATGTCCTCTGGCCACGTG 597
Db 684 AAGGTGACTGCAATTACACACTCAGTATATGTAGGAGGGATGTCCTCTGGCCACGTG 743
QY 598 GTTACTTCAGTGCACAGCTGTGTGTCATAGAAGGGGCTACAGCTCAGCATCGTGGGT 657
Db 744 GTTACTTCAGTGCACAGCTGTGTGTCATAGAAGGGGCTACAGCTCAGCATCGTGGGT 803
QY 658 GGAACATGCTCTGCTCGCAGTGGCCCTGGCAGGCCAGCTTCAGTTCCAGGGCTAC 717
Db 804 GGAACATGCTCTGCTCGCAGTGGCCCTGGCAGGCCAGCTTCAGTTCCAGGGCTAC 863
QY 718 CACTGTGCGGGGGCTCTGTGTCATCAGCCCTGTGAGATCATCACTGCTGCACACTGTGT 777
Db 864 CACTGTGCGGGGGCTCTGTGTCATCAGCCCTGTGAGATCATCACTGCTGCACACTGTGT 923
QY 778 TATGACTTCTACTCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTTCCCTGTGAGC 837

Db 924 TATGACTTGTACTCCCAAGTCAATGACCATCCAGGTGGGTCTAGTTTCCCTGTGAGC 983
QY 838 AATCCAGCCCATCCCACTTGGTGAGAGATTCTTACACAGCAAGTCAAGCCAAAG 897
Db 984 AATCCAGCCCATCCCACTTGGTGAGAGATTCTTACACAGCAAGTCAAGCCAAAG 1043
QY 898 AGGCTGGGCAATGACATCGCCCTTTATGAAGCTGCCCGGCCACTCACGTTCAATGAAATG 957
Db 1044 AGGCTGGGCAATGACATCGCCCTTTATGAAGCTGCCCGGCCACTCACGTTCAATGAAATG 1103
QY 958 ATCCAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGATGTGCTGG 1017
Db 1104 ATCCAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGATGTGCTGG 1163
QY 1018 ACGTGAGATGGGGGCCACAGAGATGGAGTGAAGCTCCCTCTGCTCTCAACACACGCG 1077
Db 1164 ACGTCAGATGGGGGCCACAGAGATGGAGTGAAGCTCCCTCTGCTCTCAACACACGCG 1223
QY 1078 GCCTGCCCTTTGATTTTCCAAC--AAGATCTGCAACACAGGAGCGTGTACGTTGGCATCAT 1136
Db 1224 GCGTGCCTTTGATTTTCCAACAAAGATCTGCAACACAGGAGCGTGTACGTTGGCATCAT 1283
QY 1137 CTCCCTCTCCATGCTCTGCGGGGCTACCTGACCGGTGGCT--GGACAGCTGCCAGGG 1194
Db 1284 CTCCCTCTCCATGCTCTGCGGGGCTACCTGACCGGTGGCTTGGAAACAGCTGCCAGGG 1343
QY 1195 GACAGCGGGGGCCCTGGTGTCTCAAGAGAGGAGGCTGTGAAAGTTAGTGGAGCGAC 1254
Db 1344 GACAGCGGGGGCCCTGGTGTCTCAAGAGAGGAGGCTGTGAAAGTTAGTGGAGCGAC 1403
QY 1255 AGCTTTGGCATCGGCTGCGCAGAGTGAACAAAGCTTGGGGTGTACACCCGTGTCACTCC 1314
Db 1404 AGCTTTGGCATCGGCTGCGCAGAGCTGAACAAAGCTTGGGGTGTACACCCGTGTCACTCC 1463
QY 1315 TTCTGGACTGGATCCACGACAGCATGAGAGACCTTAAACCTGA 1362
Db 1464 TTCTGGACTGGATCCACGACAGATGAGAGACCTTAAACCTGA 1511

RESULT 9

US-09-518-046-3
; Sequence 3, Application US/09518046
; Patent No. 6294663
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; FILE REFERENCE: D6192CIP
; CURRENT APPLICATION NUMBER: US/09/518,046
; CURRENT FILING DATE: 2000-03-02
; EARLIER APPLICATION NUMBER: 09/261,416
; EARLIER FILING DATE: 1999-03-03
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 variant gene
US-09-518-046-3

Query Match 87.3%; Score 1188.4; DB 3; Length 2544;
Best Local Similarity 90.6%; Pred. No. 0;
Matches 1356; Conservative 0; Mismatches 6; Indels 134; Gaps 3;
QY 1 ATGGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
Db 144 ATGGGGGAAATGATCCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 203
QY 61 CTTGATGATTTGAAATAAGTCTCTGTGCACAGATGCAGATGCTGTGCTGCACAGATC 120

204 CTTGATGATTGGAATAAGTCTCTGTGACACAGATGACAGTGTCTGTGTCACAGATC 263
Db
121 CTGTCACTGCTGCCATT--GAAGTTTTTTTCCATCATCTGTCATT--GGGATCATTTGATG 177
Qy
264 CTGTCACTGCTGCCATTGAAAGTTTTTTCCCAATCATCTGTCATTGGGGATCATTTGATG 323
Db
178 ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGTCTCAGGGAAGTACAGATGT 237
Qy
324 ATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGTCTCAGGGAAGTACAGATGT 383
Db
238 CGCTCATCTCTTTAAGTGTATCGAGCTGATGATGTCGATGTCGAGGATCTCGGATTCGAAA 297
Qy
384 CGCTCATCTCTTTAAGTGTATCGAGCTGATGATGTCGATGTCGAGGATCTCGGATTCGAAA 443
Db
298 GACGGGAGGACAGATGACGCTGTGTCCGGGTGGGTGTCAGAACTCCAGGTG 357
Qy
444 GACGGGAGGACAGATGACGCTGTGTCCGGGTGGGTGTCAGAACTCCAGGTG 503
Db
358 TTCACAGCTGCTTCGTGGGAAGACATGTCTCCGATGACTGGGAAGGTCATCTACGCAAAAT 417
Qy
504 TTCACAGCTGCTTCGTGGGAAGACATGTCTCCGATGACTGGGAAGGTCATCTACGCAAAAT 563
Db
418 GTTGCCTGTGCCCACTGGGTTTCCCAAGTATGTGAGTTTCAGATTAACCTTCAGATGAGC 477
Qy
564 GTTGCCTGTGCCCACTGGGTTTCCCAAGTATGTGAGTTTCAGATTAACCTTCAGATGAGC 623
Db
478 TCGCTGGAGGGCAGTTCCGGAGGAGTTGTGTCCATCGATCAGTCACTCTTCCAGATGAC 537
Qy
624 TCGCTGGAGGGCAGTTCCGGAGGAGTTGTGTCCATCGATCAGTCACTCTTCCAGATGAC 683
Db
538 AAGGTCACTGCTATACACCACTCAGTATATGTGAGGAGGATGTCCCTTCGGCCACGTTG 597
Qy
684 AAGGTCACTGCTATACACCACTCAGTATATGTGAGGAGGATGTCCCTTCGGCCACGTTG 743
Db
598 GTTACCTTTCAGTGCACAGCTGTGTGTCTAGTAAGGGGCTTACAGCTCAGCACTGTGTT 657
Qy
744 GTTACCTTTCAGTGCACAGCTGTGTGTCTAGTAAGGGGCTTACAGCTCAGCACTGTGTT 803
Db
658 GGAACATGTCTTGTCTCGCAGTGGCCCTGCGAGGCCAGCCCTTCACTTCAGGAGCTAC 717
Qy
804 GGAACATGTCTTGTCTCGCAGTGGCCCTGCGAGGCCAGCCCTTCACTTCAGGAGCTAC 863
Db
718 CACTGTGGGGGGCTGTGTCTCAGCCCTCTGGATCATCTGCTGTCACACTGTGTT 777
Qy
864 CACTGTGGGGGGCTGTGTCTCAGCCCTCTGGATCATCTGCTGTCACACTGTGTT 923
Db
778 TATGA----- 782
Qy
924 TATGAGATTGTAGTCTCTAGAGAAAGGGCAGACAGAGAGGAAGTCTCTGTGTG 983
Db
783 ----- 782
Qy
984 AGGAAACCCACAAAAATGAAAGGACCTAGACCTTCCCATAGCTAAATTCAGTGGACCATG 1043
Db
783 -----CTGTGACTCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTT 826
Qy
1044 TTATGGCAGATACAGGCTTGTACTCTCCCAAGTCAATGACCATCCAGTGGGTCTAGTTT 1103
Db
827 CCCTGTTGGACAATCCAGCCCTTCCACCTTGGTGGAGAAATGTCTACACAGCAAGT 886
Qy
1104 CCCTGTTGGACAATCCAGCCCTTCCACCTTGGTGGAGAAATGTCTACACAGCAAGT 1163
Db
887 ACAAGCAAAAGAGGCTGGGAATGACATCGCCCTTATGAGCTGTGGCGGCCACTCAGT 946
Qy
1164 ACAAGCAAAAGAGGCTGGGAATGACATCGCCCTTATGAGCTGTGGCGGCCACTCAGT 1223
Db
947 TCATGAATGATCCAGCCTGTGTCTGCTGCCCACTCTGAAGAGAACTTCCCGCATGGAA 1006
Qy
1224 TCAATGAATGATCCAGCCTGTGTCTGCTGCCCACTCTGAAGAGAACTTCCCGCATGGAA 1283
Db
1007 AAGTGTGCTGAGCTCAGGATGGGGGCCACAGAGGATGAGGTGACGCTCCCTGTGTC 1066
Qy
1284 AAGTGTGCTGAGCTCAGGATGGGGGCCACAGAGGATGAGGTGACGCTCCCTGTGTC 1343
Db

1067 TGAAACACGCGGCGCTCCCTTTGATTTCACAAAGATCTGCAACACACAGGAGCGTGTACG 1126
Qy
1344 TGAAACACGCGGCGCTCCCTTTGATTTCACAAAGATCTGCAACACACAGGAGCGTGTACG 1403
Db
1127 GTGGCATCATCTCCCTCCATCTGCTGCGGGCTTACCTGACGGGTGCGGTGGACAGCT 1186
Qy
1404 GTGGCATCATCTCCCTCCATCTGCTGCGGGCTTACCTGACGGGTGCGGTGGACAGCT 1463
Db
1187 GCACGGGGACACGCGGGGGCCCTGCTGTGTCAAGAGAGGAGGCTGTGAAAGTTAGTGG 1246
Qy
1464 GCACGGGGACACGCGGGGGCCCTGCTGTGTCAAGAGAGGAGGCTGTGAAAGTTAGTGG 1523
Db
1247 GAGCCACACAGCTTTTGGCATCGGCTGCGCAGAGGTGAAACAGGCTTGGGGTGTACACCCGTG 1306
Qy
1524 GAGCCACACAGCTTTTGGCATCGGCTGCGCAGAGGTGAAACAGGCTTGGGGTGTACACCCGTG 1583
Db
1307 TCACCTCTCTTCTGACATGAGTCCACGAGCAGATGAGAGACCTTAAAAACCTGA 1362
Qy
1584 TCACCTCTCTTCTGACATGAGTCCACGAGCAGATGAGAGACCTTAAAAACCTGA 1639
Db

RESULT 10

US-09-650-371-3
; Sequence 3, Application US/09650371
; Patent No. 6942978
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Underwood, Lowell J.
; TITLE OF INVENTION: Transmembrane Serine Protease Overexpressed
; TITLE OF INVENTION: in Ovarian Carcinoma and Uses Thereof
; FILE REFERENCE: D6192CIP/D
; CURRENT APPLICATION NUMBER: US/09/650,371
; CURRENT FILING DATE: 2000-08-28
; PRIOR APPLICATION NUMBER: US 09/518,046
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; OTHER INFORMATION: entire cDNA sequence of TADG-12 variant gene
US-09-650-371-3

Query Match 87.3%; Score 1188.4; DB 3; Length 2544;
Best Local Similarity 90.6%; Pred. No. 0;
Matches 1356; Conservative 0; Mismatches 6; Indels 134; Gaps 3;

Qy 1 ATGGGGGAAATGATCCGCTGCTGTGAAAGCCCTCTCATTCGATCGCTTTTGGC 60
Db 144 ATGGGGGAAATGATCCGCTGCTGTGAAAGCCCTCTCATTCGATCGCTTTTGGC 203
Qy 61 CTTGATGATTGAAAATAAGTCCCTGTGACACAGATGTCAGATGCTGTGCTGCACAGATC 120
Db 204 CTTGATGATTGAAAATAAGTCCCTGTGACACAGATGTCAGATGCTGTGCTGCACAGATC 263
Qy 121 CTGTCACTGCTGCCATT--GAAGTTTTTCCAAATCATCTGTCATT--GGGATCATTCGATTG 177
Db 264 CTGTCACTGCTGCCATTGAAAGTTTTTCCAAATCATCTGTCATTGGGGATTCATTGCAATG 323
Qy 178 ATATTAGCACTGGCCATTGCTGCGGCATCCACTTCGACTGTCTCAGGGAAGTACAGATGT 237
Db 324 ATATTAGCACTGGCCATTGCTGCGGCATCCACTTCGACTGTCTCAGGGAAGTACAGATGT 383
Qy 238 CGCTCATCTCTTTAAGTGTATCGAGCTGATGATCTCGATGTGACGAGTCTCGGATTCGAAA 297
Db 384 CGCTCATCTCTTTAAGTGTATCGAGCTGATGATCTCGATGTGACGAGTCTCGGATTCGAAA 443
Qy 298 GACGGGAGGACAGATGACGCTGTGTCCGGGTGGGTGTCAGAACTCCAGGTG 357
Db 444 GACGGGAGGACAGATGACGCTGTGTCCGGGTGGGTGTCAGAACTCCAGGTG 503

QY 358 TTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGCAAGGGTCACTACGCAAT 417
DB 504 TTCACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGCAAGGGTCACTACGCAAT 563
QY 418 GTTGCTGTGCCCAACTGGTTCCTCCAAAGCTATGTAGTTCAGATAAACCTCAGAGTGAGC 477
DB 564 GTTGCTGTGCCCAACTGGTTCCTCCAAAGCTATGTAGTTCAGATAAACCTCAGAGTGAGC 623
QY 478 TCGTGTGAGGGCAGTTCGGGAGGAGTTGTGTCGATCGATCACTCTTGCCAGATGAC 537
DB 624 TCGTGTGAGGGCAGTTCGGGAGGAGTTGTGTCGATCGATCACTCTTGCCAGATGAC 683
QY 538 AAGTGACTCATATACACACTCAGTATATGTAGGAGGAGTGTGCTCTGGCCACGTG 597
DB 684 AAGTGACTCATATACACACTCAGTATATGTAGGAGGAGTGTGCTCTGGCCACGTG 743
QY 598 GTTACCTTGCAGTGACACAGCTGTGCTCATAGAGGGGCTACAGCTCAGCATCTGTGGT 657
DB 744 GTTACCTTGCAGTGACACAGCTGTGCTCATAGAGGGGCTACAGCTCAGCATCTGTGGT 803
QY 658 GGAACATGTCTTGTCTCTGCAAGTGGCCCTGGCAGGCCAGCTTCAGTTCAGGGCTAC 717
DB 804 GGAACATGTCTTGTCTCTGCAAGTGGCCCTGGCAGGCCAGCTTCAGTTCAGGGCTAC 863
QY 718 CACCTGTGGGGGCTCTGTCTATCAGCCCTGTGGATCATCACTGTGACACACTGTGTT 777
DB 864 CACCTGTGGGGGCTCTGTCTATCAGCCCTGTGGATCATCACTGTGACACACTGTGTT 923
QY 778 TATGA----- 782
DB 924 TATGAGATTGAGTCTCTAGAGAAAGGCGACACAGAGGAAGAACTCTGTGTGTTG 983
QY 783 ----- 782
DB 984 AGGAACCCACAAAAATGAAAGGACCTAGACCTTCCCATAGCTAATTCAGTGGAACATG 1043
QY 783 -----CTGTACCTCCCAAGTCAATGACCATCCAGTGGTCTAGTTT 826
DB 1044 TTAGGCGAGATACAGGCTGTGACCTCCCAAGTCAATGACCATCCAGTGGTCTAGTTT 1103
QY 827 CCCTGTGACAAATCAGCCCATCCACTTGGTGGAAGATTCTTACACACAGCAAGT 886
DB 1104 CCCTGTGACAAATCAGCCCATCCACTTGGTGGAAGATTCTTACACACAGCAAGT 1163
QY 887 ACAAGCCAAAGAGCTGGGCAATGACATCGCCCTTATGAAGCTGCGCGGCCACTCACGT 946
DB 1164 ACAAGCCAAAGAGCTGGGCAATGACATCGCCCTTATGAAGCTGCGCGGCCACTCACGT 1223
QY 947 TCAATGAAATGATCCAGCGCTGTGCTGCGCCAACTCTGAAGAGAACTTCCCGATGAA 1006
DB 1224 TCAATGAAATGATCCAGCGCTGTGCTGCGCCAACTCTGAAGAGAACTTCCCGATGAA 1283
QY 1007 AAGTGTGCTGAGCTCAGAGTGGGGGCCACAGAGGATGGAGTGCACGCTCCCGTCC 1066
DB 1284 AAGTGTGCTGAGCTCAGAGTGGGGGCCACAGAGGATGGAGTGCACGCTCCCGTCC 1343
QY 1067 TCAACCGCGCGCGCTCCCTTTGATTTCACAAAGATCTGCAACACAGGAGCGTGTACG 1126
DB 1344 TCAACCGCGCGCGCTCCCTTTGATTTCACAAAGATCTGCAACACAGGAGCGTGTACG 1403
QY 1127 GTGGCATCATCTCCCGCTCCATGCTGTGCGGGGTACTCTGACGGGTGGCGTGGACAGT 1186
DB 1404 GTGGCATCATCTCCCGCTCCATGCTGTGCGGGGTACTCTGACGGGTGGCGTGGACAGT 1463
QY 1187 GCCAGGGGACACGCGGGGGCCCTGTGTGTCAAGAGAGGAGTGTGGAAGTTAGTGG 1246
DB 1464 GCCAGGGGACACGCGGGGGCCCTGTGTGTCAAGAGAGGAGTGTGGAAGTTAGTGG 1523
QY 1247 GAGCGACCAAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAAGCTTGGGTGTACCCGTG 1306
DB 1524 GAGCGACCAAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAAGCTTGGGTGTACCCGTG 1583

QY 1307 TCACCTCCTCTCTGACTGGATCCACGAGCAGATGGAGAGACCTTAAAAACCTGA 1362
DB 1584 TCACCTCCTCTCTGACTGGATCCACGAGCAGATGGAGAGACCTTAAAAACCTGA 1639
RESULT 11
US-09-342-749-1
; Sequence 1, Application US/09342749
; Patent No. 6166194
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: TPRS2 is a Tumor Suppressor
; FILE REFERENCE: 2318-202
; CURRENT APPLICATION NUMBER: US/09/342,749
; CURRENT FILING DATE: 1999-06-29
; EARLIER APPLICATION NUMBER: US 60/091,044
; EARLIER FILING DATE: 1998-06-29
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1479
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1476)
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (724)
; OTHER INFORMATION: Listed as T in GenBank Accession No. U75329
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (985)
; OTHER INFORMATION: Listed as C in GenBank Accession No. 6166194 U75329
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (1347)
; OTHER INFORMATION: Listed as C in GenBank Accession No. 6166194 U75329
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (1466)
; OTHER INFORMATION: Listed as A in GenBank Accession No. 6166194 U75329
; FEATURE:
; NAME/KEY: conflict
; LOCATION: (1471)
; OTHER INFORMATION: Listed as A in GenBank Accession No. 6166194 U75329.
; FEATURE:
; NAME/KEY: allele
; LOCATION: (478)
; OTHER INFORMATION: This base can be G or A with G being the more
; OTHER INFORMATION: common allele. The codon will change from Val to
; FEATURE:
; NAME/KEY: allele
; LOCATION: (777)
; OTHER INFORMATION: This base can be C or T with C being the more
; OTHER INFORMATION: common allele. The codon is unaffected with both
; OTHER INFORMATION: alleles encoding Gly.
; FEATURE:
; NAME/KEY: allele
; LOCATION: (768)
; OTHER INFORMATION: This base can be C or T with C being the more
; OTHER INFORMATION: common allele. This is a silent polymorphism.
; FEATURE:
; NAME/KEY: allele
; LOCATION: (834)
; OTHER INFORMATION: This base can be C or T with C being the more
; OTHER INFORMATION: common allele. This is a silent polymorphism.
; FEATURE:
; NAME/KEY: allele


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; NAME/KEY: allele
; LOCATION: (625)
; OTHER INFORMATION: This base can be T or A with T being the more
; OTHER INFORMATION: common allele. The codon will change from Phe to Ile
US-09-691-840-1

Query Match      16.6%; Score 225.6; DB 3; Length 1479;
Best Local Similarity 54.6%; Pred. No. 6.3e-52; Mismatches 479; Indels 36; Gaps 7;
Matches 619; Conservative 0;

QY 235 TGTGCTCATCTCTTTAAAGTGTATCGAGCTGATAGCTCGATGTGACGAGTCTTCGGATTGC 294
DB |||||
QY 358 TCGACTCTCTCAGTACCTGTCATCAACCCCTTAAGTGTGATGGGTGTCACACTGC 417
DB |||||
QY 295 AAAGACGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGTCAGATGCCCTGTCTCAG 354
DB |||||
QY 418 CCGCGCGGGGAGGACGAGAAATCGGTGTGTTCGCTCTACGACCAAACTTTCATCTTCAG 477
DB |||||
QY 355 GGTGTTACAGCTGCT-----TCGTGGAAGACCATGTGCTCCGATGACTGGAAGGTAC 408
DB |||||
QY 478 GTGTACTCATCTCAGAGGAAGTCTTGACCTGTGTGCCAAGACGACTGGAAACGAGAAC 537
DB |||||
QY 409 TAGCAAAATGTTGCTGTGCCCAACTGGGTTTTCCCAAGCTATGTGAGTTTCAGATAACCTC 468
DB |||||
QY 538 TACGGCGCGGCGCTGCGAGGACATGGCTATAAGATAATTTTACTCTAGCCAAGGA 597
DB |||||
QY 469 AGAGTGAGCTCGCTGAGGGGAGTTTCGGGAGGAGTTGTGTCCATCGATCACCTCTTG 528
DB |||||
QY 598 ATAGTG-GATGACAGCGGATCACCAGCTTTATGAACCTGAAACAAAGTGCGCGCAATGT 656
DB |||||
QY 529 CCAGATGACAAGGTGACTGCATTTACCACTCAGTATATGTGAGGAGGAGTGCCTCT 588
DB |||||
QY 657 CGATATCTATAAAAAAAGTGTACAC-----AGTGATGCTGTGTTCTTCA 699
DB |||||
QY 589 GGCCAGCTGTGTTACCTTGTCAGTGCACAGCTGTGTGTCATAGAAGGGGCTACAGCTCAC-- 646
DB |||||
QY 700 AAAGCAGTGTGTTCTTTAGCTGTATAGCTTCGGGGTCAACTTGAACCTCAAGCGCCAG 759
DB |||||
QY 647 ----GCATCGTGGGTGGAACAATGTCCTTTGCTCTCGAGTGGCCCTTGGAGCCAGCCTT 702
DB |||||
QY 760 AGCAGGATCGTGGCGGCGAGAGCGCTCCCGGGGCGCTGCGCTTGGCAGGTTCAGCCTG 819
DB |||||
QY 703 CAGTTCACGGGTACACCTGTGCGGGGCTCTGTATCATCACGCCCTGTGGATCATCACT 762
DB |||||
QY 820 CAGCTCCAAAGCTCAGCTGTGCGGAGGCTCATCATCACCCCGAGTGGATCTGTGACA 879
DB |||||
QY 763 GCTGCACACTGTGTTTATGA--CTTGTAACCTCCCAAGTCATGGA---CCATCCAGGTGG 817
DB |||||
QY 880 GCGGCCACTGCGTGGAAAAACCTCTTAACAATCCATGGCATTTGGACGGCATTTGCGGG 939
DB |||||
QY 818 GTCTAGTTTCCCTGTTGGACAATCCA-GCCCCATCCACTTGGTGGAGAAAGATTGTCTAC 876
DB |||||
QY 940 ATTTTGAGACAACTTTTCATGTTCTATGAGCGGATACCAAGTAGAAAAAGTGTATTTCT 999
DB |||||
QY 877 CACGCAAGTACACGCAAGAGGCTGGGCAATGATCATCGCCCTTATGAAGCTGGCCGG 936
DB |||||
QY 1000 CATCCAAATTTATGACTCCCAAGACCAGAAACAATGACATTTGCGCTGATGAAGCTGCAGAAG 1059
DB |||||
QY 937 CCACTCACGTTCAATGAATGATCCAGCGCTGTGTGCTGCCCAACTCTGAAGAGAACTTC 996
DB |||||
QY 1060 CCTCTGACTTTCAACGACCTAGTGAAACCAAGTGTGTCTGCCCAACCCAGGATGATGCTG 1119
DB |||||
QY 997 CCGGATGGAAGAGTGTGTGAGAGTCAAGATGGGGGGCCACAGAGATGAGGTGACGCC 1056
DB |||||
QY 1120 CAGCCAGAAACAGCTCTGCTGGATTTCCGGGTGGGGGGCCACCGAGGAGAAAGGAAGACC 1179
DB |||||
QY 1057 TCCCCTGTCTGAAACACACGGGCGCTCCCTTTGATTTCCAAACAAGATCTGCAACCAAG 1116
DB |||||
QY 1180 TCAGAAGTGTGAACGCTGCCAAGGTGCTTCTCATTTGAGACACAGAGATGCAACAGCAGA 1239
DB |||||
QY 1117 GAGGTGTACGGTGGCATCATCTCCCTCATGCTCTGCGCGGGCTTACCTGACGGGTGGC 1176
DB |||||
QY 1240 TATGTCATGACAACTGATCACACGAGCCATGATCTGTGCGGGCTTCTCTGCGGGGAC 1299
DB |||||
```

```
QY 1177 GTGACAGCTGCCAGGGGACAGCGGGGCCCCCTGGTGTCTCAAGAGAGAGGCGCTGTGG 1236
DB |||||
QY 1300 GTCGATTCTTCCAGGGGTGACAGTGGAGGGCTCTGGTCACTTCGAAGACATAATCTGG 1359
DB |||||
QY 1237 AAGTTAGTGGAGGACCAAGCTTTTGGCATCGGCTGCGCAGAGGTGAAACAAAGCCTGGGTG 1296
DB |||||
QY 1360 TGGCTGATAGGGATACAAGCTGGGTCTGGCTGTGCCAAAGCTTACAGACCAGAGTG 1419
DB |||||
QY 1297 TACACCCGTGCACCTCCTTCTGAGTGGATCCACGAGCAGATGGAGAGAGAC 1350
DB |||||
QY 1420 TACGGAATGTGATGTTATTCACGAGCTGGATTTATCGACAAATGAGGGCAGAC 1473
DB |||||

RESULT 13
US-09-949-016-5203
; Sequence 5203, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5203
; LENGTH: 2448
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5203

Query Match      16.5%; Score 225; DB 3; Length 2448;
Best Local Similarity 54.4%; Pred. No. 1.1e-51;
Matches 622; Conservative 0; Mismatches 485; Indels 36; Gaps 7;

QY 235 TGTGCTCATCTCTTTAAAGTGTATCGAGCTGATAGCTCGATGTGACGAGTCTTCGGATTGC 294
DB |||||
QY 414 TCGACTCTCAGGTACCTGTCATCAACCCCTCTAACTGCTGTGATGGGTGTCACTGC 473
DB |||||
QY 295 AAAGACGGGAGGACGAGTACCGCTGTGTCCGGGTGGGTGTCAGAAATGCCGTGTCCAG 354
DB |||||
QY 474 CCGCGCGGGGAGGACGAGAAATCGGTGTGTTCGCTCTACGGACCAAACTTCATCTTCAG 533
DB |||||
QY 355 GTGTTCAAGCTGCT-----TCGTGGAAGACCATGTGCTCGATGACTGGAGGCTCAC 408
DB |||||
QY 534 GTGTACTCATCTCAGAGGAAGTCTTCGGCACCCCTGTGTGCCAAGACGACTGGAAACGAGAAC 593
DB |||||
QY 409 TACGCAAAATGTTGCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAACCTC 468
DB |||||
QY 594 TACGGCGCGGCGCTGCGAGGACATGGGCTATAAAGATAATTTTACTCTAGCCAGGA 653
DB |||||
QY 469 AGAGTGAGCTCGCTCGAGGGGAGTTTCGGGGAGGAGTTGTGTCCATCGATCACCTCTTG 528
DB |||||
QY 654 ATAGTG-GATGACACGGATCCACAGCTTTATGAAACTGAACACAAGTCCGGCAATGT 712
DB |||||
QY 529 CCAGATGACAGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 588
DB |||||
QY 713 CGATATCTATAAAAAAAGTGTACAC-----AGTGATGCTGTGTTCTTCA 755
DB |||||
QY 589 GGCCAGCTGTTTACCTTCCAGTGCACAGCTGTGTGTCATAGAAGGGGCTACAGCTCAC-- 646
DB |||||
QY 756 AAAGCAGTGGTTCCTTTTACGCTGTATAGCTTGGCGGGGTCAACTTGAACCTCAAGCGCCAG 815
DB |||||
QY 647 ----GCATCGTGGGTGGAACAATGATGCTTGTGCTCTCGCAGTGGCCCTTGGCAGGCCAGCTTT 702
DB |||||
```


816 AGCAGGATTGTGGCGCGAGAGCGGCTCCGGGGCCCTGGCCCTGGCAGGTCAGCCTG 875
703 CAGTTCAGGGTACCACTGTGGGGGCTGTCTATCAGCGCCCTGTGGATCATCACT 762
876 CAGTCCAGAACCTCAGCTGTGGGGGCTCATCATCAGCCCGAGTGGATCGTGACA 935
763 GTGTGACACTGTGTTTATGA--CTTGTACTCTCCCAAGTCATGGA---CCATCCAGGTGG 817
936 GCGCCCACTGCTGTGAAACCTCTTAACAATCCATGGCATTTGGACGGCAITTTGGGGG 995
818 GTCTAGTTTCCCTGTGGAGCAATCCA-GCCCCATCCACTTGTGTGGAGAGATTTCTAC 876
996 AITTTGAGACAATCTTTCTATGTTCTATGGAGCGGATACCAAGTAGAAAAAGTATTTCT 1055
877 CACAGCAAGTACAGCAAGAGGCTGGCAATGACATCGCCCTTATGAAGTGGCCGG 936
1056 CATCCAAATATGACTCCAGACCAAGAACAAATGACATTTGCGTGTATGAAGCTGCAGAG 1115
937 CCACTCAGCTTCAATGAAATGATCCAGCCTGTGTGCTGCCCCCACTCTGAAGAGAACTTC 996
1116 CCTCTGACTTCAACGACCTAGTGAACCAAGTGTGTCTGCCCAACCCAGGCATGTGCTG 1175
997 CCGGATGGAAAAAGTGTGGAGCTCAGATGGGGGGGCGACAGAGATGGAGTGCAGCC 1056
1176 CAGCCAGAACAGCTCTGCTGGATTTCGGGTGGGGGGCCACCGAGGAGAAAGGAAGCC 1235
1057 TCCCTGTCTGAAACAGCGGCGCTCCCTTTGATTTCCAAAGATCTGCAACACAGG 1116
1236 TCAGAAAGTGTGAACGCTGCAAGGTGCTTCTCAITTGAGACACAGAGATGCAACAGCA 1295
1117 GAGCTGTAGCTGGCATCATCTCCCTCCATCTCTGCGGGGCTACCTGACGGGTGGC 1176
1296 TATGCTATGACAACTGATCACACAGCCATGATCTGTGCGGCTTCTGTGAGGGGAAC 1355
1177 GTGACAGCTGCGCAGGGGAGCAGCGGGGGCCCTGTGTGTCAAGAGAGAGGGCTGTGG 1236
1356 GTCGATTCTTGGCAGGGTGACAGTGGAGGGCTCTGCTCACTTCGAAGAACAATATCTGG 1415
1237 AAGTTAGTGGAGCGACAGCTTTGGCATCGGCTGCGCAGAGTGAACAAGCTGGGGT 1296
1416 TGGCTGATAGGGGATCAAGCTGGGGTTCGGCTGTGCGCAAGCTTTACAGACAGAGTG 1475
1297 TACACCGCTGCTACCTCTTCTCGACTGGATCCAGCAGCAGATGGAGAGAGACTAAAA 1356
1476 TAGGGATGTGATGTATTTACGGACTGGATTTATCGAATAATGAGGGCAGAGCGCTAA 1535
1357 ACC 1359
1536 TCC 1538

RESULT 14

US-09-759-143-929
; Sequence 929, Application US/09759143
; Patent No. 6800746

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John H.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C23

; CURRENT APPLICATION NUMBER: US/09/759,143

; CURRENT FILING DATE: 2001-01-12

; NUMBER OF SEQ ID NOS: 934

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 929

; LENGTH: 3245

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-759-143-929

Query Match 16.4%; Score 223.4; DB 3; Length 3245;
Best Local Similarity 54.3%; Pred. No. 3.5e-51;
Matches 621; Conservative 0; Mismatches 486; Indels 36; Gaps 7;

QY 235 TGTGCTCATCTTTAAGTGTATCAGCTGATAGCTCGATGTGACGGAGTCTCGGATTCG 294
DB 502 TCGGACTCTCTCAGGTACCTGTCATCAACCCCTCTAACTGGTGTGATGGCTGCACACTGC 561
QY 295 AAGACGGGGAGGACGAGTACCGCTGTGTCCGGTGGGTGAGTCCAGATCCGCTGCTCCAG 354
DB 562 CCGGGGGGGAGACAGAAATCGGTGTGTTCCCTCTACGGATCAAACTTCACTCTTCAG 621
QY 355 GTGTTTACAGCTGCT-----TCGTGGAAAGACATGTCTCCGATGACTGGAAGGCTCAC 408
DB 622 GTGTACTCATCTCAGAGGAAGTCTCTGGACCCCTGTGTGCCAAGACGACTGGAACGAGAAC 681
QY 409 TACGCAAAATGTTGCTGTGCCCCAACTGGGTTTCCCAAGCTATGTGAGTTGATACATACCTC 468
DB 682 TACGGCGGGCGCTCTGACGGGACATGGGCTATAGATAAATTTTACTCTAGCCCAAGGA 741
QY 469 AAGTGTAGTCCCTGGAGGGGAGTTCGGGAGGAGTTTGTCTCCATCGATCACCCTCTTG 528
DB 742 ATAGTG-GATGACAGCGGATCCACAGCTTTATGAACCTGAACACAAGTCCCGGCAATGT 800
QY 529 CAGATGACAAAGTGTACTGCATTACACCACTCAGTATATGTGAGGGAGGAGTGTGCTCT 588
DB 801 CGATATCTATAAAACTGTACCAC-----AGTGATGCTCTTCTTCA 843
QY 589 GGCACGTGGTACCTTTCAGTGCACAGCTGTGTGTATAGAGGGGCTACAGCTCAC-- 646
DB 844 AAGACAGTGGTTCTTTACGCTGTATAGCTGTGGGGTCAACTTTGAACCTCAAGCCGCCAG 903
QY 647 ---GCATCGTGGTGGAAACATGCTTCTGCTCTCGCAGTGGCCCTGGCAGGCGCAGCTT 702
DB 904 AGCAGGATTTGTGGGGCGGAGAGCGGCTCCCGGGGGCCCTGGCCCTGGCAGGTACGCTG 963
QY 703 CAGTTCAGGGCTTACCACTGTGGGGGGCTCTGTCTATCAGCGCCCTGTGGATCATCACT 762
DB 964 CAGTCCAGAAAGTCCACGTGTGGAGAGGCTCCATCATCACCCCGAGTGGATCGTGACA 1023
QY 763 GTGTGACACTGTGTTTATGA--CTTGTACTCTCCCAAGTCAATGGA---CCATCCAGGTGG 817
DB 1024 GCGGCCACTGCTGTGAAAAAACCCTCTTAACAATCCATGTCATGTCAGCGGCAITTTGGGGG 1083
QY 818 GTCTAGTTTCCCTGTGGAGCAATCCA-GCCCCATCCACTTGTGTGGAGAGATTTGTCTAC 876
DB 1084 AITTTGAGACAATCTTTTCTATGTTCTATGGAGCGGATACCAAGTAGAAAAAGTATTTCT 1143
QY 877 CACAGCAAGTACAAAGCGTGGCAATGACATCGCCCTTATGAAGCTGGCGGG 936
DB 1144 CATCCAAATATGACTCTCAGACCAAGAACATGACATTTGGCTGTATGAAGTGCAGAG 1203
QY 937 CCACCTCAGCTTCAATGAAATGATCCAGCTGTGTGCTGCCCAACTCTGTAAGAGAACTTC 996
DB 1204 CCTCTGACTTCAACGACCTAGTGAACCAAGTGTGTCTGCCCAACCCAGGCATGATCTG 1263
QY 997 CCGGATGGAAAAAGTGTGTGGAGCTCAGGATGGGGGGCCACAGAGGATGGAGGTGACGCC 1056
DB 1264 CAGCCAGAACAGCTCTGTGGATTTCGGGTGGGGGGCCACCGAGGAGAAAGGAAGACC 1323

Qy	1057	TCCCTGTCTCTGAACACAGCGGCGGTCCCTTTTGATTTCCAAAGATCTGTGCAACACAGG	1116
Db	1324	TCAGAACTGCTGAACCGCTGCCAAGGTGCTTCTCATTTGAGACACAGAGATGCAACAGCAGA	1383
Qy	1117	GACGTGTACGGTGGCATCATCTCCCCCTCCATGCTCTTCGCGGGGCTACCTTGACGGGTGGC	1176
Db	1384	TATGCTCATGACAAACCTGATCACACCAAGCCATGATCTGTGCCGCTTCTCTGCAGGGGAAC	1443
Qy	1177	GTGACACAGCTGCCACAGGGGGACAGCGGGGGGCCCTCGTGTGTCTCAAGAGAGAGAGCTCTGG	1236
Db	1444	GTCAATCTTCCCAAGGGTGACAGTGGAGGGCCCTCTGGTCACTTCGAAGAACAATATCTGG	1503
Qy	1237	AAGTTACTGGGAGCGACAGCTTTGGGCATCGGCTGCCAGAGGTGAACAAGCCCTGGGGTG	1296
Db	1504	TGGCTGATAGGGGATACAAGCTGGGGTTCTGGCTGTGCCAAAGCTTACAGCCAGGAGTG	1563
Qy	1297	TACACCCGTGTACCTCTTCTGGACTGGATCCACGACGAGATGGAGAGAGACCTTAAAA	1356
Db	1564	TACGGGAATGTGATGGTATTCAACGGACTGGATTTATCGACAAATGAGGGCAGACGGCTAA	1623
Qy	1357	ACC	1359
Db	1624	TCC	1626

RESULT 15

US-10-012-896-929
; Sequence 929, Application US/10012896
; Patent No. 6943236
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012.896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 929
; LENGTH: 3245
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-929

Query Match 16.4%; Score 223.4; DB 3; Length 3245;
Best Local Similarity 54.3%; Pred. No. 3.5e-51;
Matches 621; Conservative 0; Mismatches 486; Indels 36; Gaps 7;

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Qy 1357 ACC 1359
Db 1624 TCC 1626

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Job time : 243.851 secs

Figure Bank (uspio)

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 7, 2006, 22:15:41 ; Search time 1103.5 Seconds
(without alignments)
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Perfect score: 1362
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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA Main:
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7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:
8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:
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10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
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2	1362	100.0	2412	3	US-09-978-295A-68
3	1362	100.0	2412	3	US-09-978-697-68
4	1362	100.0	2412	3	US-09-978-192A-68
5	1362	100.0	2412	3	US-09-999-832A-68
6	1362	100.0	2412	3	US-09-978-189-68
7	1362	100.0	2412	3	US-09-978-608A-68
8	1362	100.0	2412	3	US-09-978-585A-68
9	1362	100.0	2412	3	US-09-978-191A-68
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11	1362	100.0	2412	3	US-09-978-564A-68
12	1362	100.0	2412	3	US-09-999-833A-68
13	1362	100.0	2412	3	US-09-981-915A-68
14	1362	100.0	2412	3	US-09-978-824-68
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17	1362	100.0	2412	3	US-09-978-423A-68
18	1362	100.0	2412	3	US-09-978-193A-68
19	1362	100.0	2412	3	US-09-999-830A-68
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21	1362	100.0	2412	3	US-09-978-187B-68
22	1362	100.0	2412	3	US-09-978-643A-68
23	1362	100.0	2412	3	US-09-978-375A-68

24	1362	100.0	2412	3	US-09-978-298A-68	Sequence 68, Appl
25	1362	100.0	2412	3	US-09-978-188A-68	Sequence 68, Appl
26	1362	100.0	2412	3	US-09-978-681A-68	Sequence 68, Appl
27	1362	100.0	2412	3	US-09-978-194A-68	Sequence 68, Appl
28	1362	100.0	2412	3	US-09-999-829A-68	Sequence 68, Appl
29	1362	100.0	2412	3	US-09-978-299A-68	Sequence 68, Appl
30	1362	100.0	2412	3	US-09-978-544A-68	Sequence 68, Appl
31	1362	100.0	2412	3	US-09-978-665A-68	Sequence 68, Appl
32	1362	100.0	2412	3	US-09-978-802A-68	Sequence 68, Appl
33	1362	100.0	2412	3	US-09-999-831A-68	Sequence 68, Appl
34	1362	100.0	2412	3	US-09-978-824-68	Sequence 63, Appl
35	1362	100.0	2412	5	US-10-052-586-63	Sequence 63, Appl
36	1362	100.0	2412	5	US-10-174-590-63	Sequence 63, Appl
37	1362	100.0	2412	5	US-10-178-758-63	Sequence 63, Appl
38	1362	100.0	2412	5	US-10-175-737-63	Sequence 63, Appl
39	1362	100.0	2412	5	US-10-174-581-63	Sequence 63, Appl
40	1362	100.0	2412	5	US-10-176-483-63	Sequence 63, Appl
41	1362	100.0	2412	5	US-10-176-749-63	Sequence 63, Appl
42	1362	100.0	2412	5	US-10-176-914-63	Sequence 63, Appl
43	1362	100.0	2412	5	US-10-176-915-63	Sequence 63, Appl
44	1362	100.0	2412	5	US-10-173-706-63	Sequence 63, Appl
45	1362	100.0	2412	5	US-10-175-738-63	Sequence 63, Appl

ALIGNMENTS

RESULT 1
US-10-058-270A-59
; Sequence 59, Application US/10058270A
; Publication No. US20040029114A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David H.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Afar, Daniel
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Breast Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
; FILE REFERENCE: 018501-005210US
; CURRENT APPLICATION NUMBER: US/10/058,270A
; CURRENT FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: US 60/263,965
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/265,928
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 09/829,472
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/282,698
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/288,590
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/294,443
; PRIOR FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 141
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 59
; LENGTH: 1362
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-058-270A-59

Query Match 100.0%; Score 1362; DB 7; Length 1362;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ATCGGGGAAATGATCGCGCTGCTGTGAAGCCCTTCATTCGATCGATCGCTTTTGGC	60
Db	1	ATCGGGGAAATGATCGCGCTGCTGTGAAGCCCTTCATTCGATCGATCGCTTTTGGC	60
Qy	61	CTTGATGATTGAAATAAGTCTCTGTTCACCGAGATGCAGATGCTGTTCGTCGACAGATC	120
Db	61	CTTGATGATTGAAATAAGTCTCTGTTCACCGAGATGCAGATGCTGTTCGTCGACAGATC	120

QY 1 ATGGGGGAAATGATCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
Db 126 ATGGGGGAAATGATCGCTGCTGTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 185
QY 61 CTTGATGATTTGAAATAGTCTCTGTGACAGATGAGATGCTGTGTCACAGATC 120
Db 186 CTTGATGATTTGAAATAGTCTCTGTGACAGATGAGATGCTGTGTCACAGATC 245
QY 121 CTGTCACTGCTGCCATTTGAAGTTTTCATCATCTGTCATTTGGATCATTCGATGATA 180
Db 246 CTGTCACTGCTGCCATTTGAAGTTTTCATCATCTGTCATTTGGATCATTCGATGATA 305
QY 181 TTAGCACTGGCCATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGC 240
Db 306 TTAGCACTGGCCATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGC 365
QY 241 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
Db 366 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 425
QY 301 GGGGAGGACGATACGGCTGTGTCGGGTGGGTGAGTGCAGATGCCGTGCTCAGGTGTT 360
Db 426 GGGGAGGACGATACGGCTGTGTCGGGTGGGTGAGTGCAGATGCCGTGCTCAGGTGTT 485
QY 361 ACAGCTGCTTCTGTGAAGACCATGTGCTCCGATGACTGGAAGGTCACTACGCAATGTT 420
Db 486 ACAGCTGCTTCTGTGAAGACCATGTGCTCCGATGACTGGAAGGTCACTACGCAATGTT 545
QY 421 GCCTGTGCCAACTGGTTCCTCAAGCTATGTAGTTTCAGATTAACCTCAGAGTGAAGTGC 480
Db 546 GCCTGTGCCAACTGGTTCCTCAAGCTATGTAGTTTCAGATTAACCTCAGAGTGAAGTGC 605
QY 481 CTGAGGGGCGAGTTCCGGAGAGATTTGTGTCATCGATCACTCTTGGCAGATCAAG 540
Db 606 CTGAGGGGCGAGTTCCGGAGAGATTTGTGTCATCGATCACTCTTGGCAGATCAAG 665
QY 541 GTGACTGCATTACACACTCAGTATATGTAGGGAGGATGCTCTGGCCACGTGTT 600
Db 666 GTGACTGCATTACACACTCAGTATATGTAGGGAGGATGCTCTGGCCACGTGTT 725
QY 601 ACCTTGCACTGACACGCTGTGTCATAGAAGGGCTACAGCTACGATCGTGGGTGGA 660
Db 726 ACCTTGCACTGACACGCTGTGTCATAGAAGGGCTACAGCTACGATCGTGGGTGGA 785
QY 661 AACATGTCCTTGTCTCGAGTGGCCCTGGAGGCGAGCTTCAGTTCAGGGCTACAC 720
Db 786 AACATGTCCTTGTCTCGAGTGGCCCTGGAGGCGAGCTTCAGTTCAGGGCTACAC 845
QY 721 CTGTGGGGGGCTGTGTCATACGCCCTGTGATCATCACTGCTGCACACTGTGTTAT 780
Db 846 CTGTGGGGGGCTGTGTCATACGCCCTGTGATCATCACTGCTGCACACTGTGTTAT 905
QY 781 GACTTGTACTCTCCCAAGTCATGGACCATCCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 840
Db 906 GACTTGTACTCTCCCAAGTCATGGACCATCCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 965
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QY 901 CTGGGCAATGATCGCCCTTATGAGCTGGCCGCGGCACTCACTTCAATGAATGATC 960
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QY 1081 GTCCCTTTGATTTCCAAAGATCTGCAACACAGGAGCTGTACGGTGGCATCATCTCC 1140

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Db 1326 GGGGGGCCCTGGTGTGTCAAGAGAGAGGAGGCTGTGGAAAGTTAGTGGGAGCGACAGCTTT 1385
QY 1261 GGCATCGGCTCGCAGAGGTTGAACAAGCCTGGGGTGTACACCCGTGTCACTCTCTCTG 1320
Db 1386 GGCATCGGCTCGCAGAGGTTGAACAAGCCTGGGGTGTACACCCGTGTCACTCTCTCTG 1445
QY 1321 GACTGGATCCACGAGCAGATGGAGAGACCTAAAAACCTGA 1362
Db 1446 GACTGGATCCACGAGCAGATGGAGAGACCTAAAAACCTGA 1487

RESULT 3

US-09-978-697-68
; Sequence 68, Application US/09978697
; Patent No. US20020169284A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary B.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PLC27
; CURRENT APPLICATION NUMBER: US/09/978,697
; PRIORITY FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIORITY FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIORITY FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIORITY FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIORITY FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIORITY FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIORITY FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIORITY FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIORITY FILING DATE: 1998-03-11

1	PRIOR FILING DATE: 1998-04-21	
2	PRIOR APPLICATION NUMBER: 60/082704	
3	PRIOR FILING DATE: 1998-04-22	
4	PRIOR APPLICATION NUMBER: 60/082804	
5	PRIOR FILING DATE: 1998-04-22	
6	PRIOR APPLICATION NUMBER: 60/082700	
7	PRIOR FILING DATE: 1998-04-22	
8	PRIOR APPLICATION NUMBER: 60/082797	
9	PRIOR FILING DATE: 1998-04-22	
10	PRIOR APPLICATION NUMBER: 60/082796	
11	PRIOR FILING DATE: 1998-04-23	
12	PRIOR APPLICATION NUMBER: 60/083336	
13	PRIOR FILING DATE: 1998-04-27	
14	PRIOR APPLICATION NUMBER: 60/083322	
15	PRIOR FILING DATE: 1998-04-28	
16	PRIOR APPLICATION NUMBER: 60/083392	
17	PRIOR FILING DATE: 1998-04-29	
18	PRIOR APPLICATION NUMBER: 60/083495	
19	PRIOR FILING DATE: 1998-04-29	
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21	PRIOR FILING DATE: 1998-04-29	
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23	PRIOR FILING DATE: 1998-04-29	
24	PRIOR APPLICATION NUMBER: 60/083558	
25	PRIOR FILING DATE: 1998-04-29	
26	PRIOR APPLICATION NUMBER: 60/083559	
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29	PRIOR FILING DATE: 1998-04-29	
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38	PRIOR APPLICATION NUMBER: 60/084441	
39	PRIOR FILING DATE: 1998-05-06	
40	PRIOR APPLICATION NUMBER: 60/084637	
41	PRIOR FILING DATE: 1998-05-07	
42	PRIOR APPLICATION NUMBER: 60/084639	
43	PRIOR FILING DATE: 1998-05-07	
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46	PRIOR APPLICATION NUMBER: 60/084598	
47	PRIOR FILING DATE: 1998-05-07	
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56	PRIOR APPLICATION NUMBER: 60/085338	
57	PRIOR FILING DATE: 1998-05-13	
58	PRIOR APPLICATION NUMBER: 60/085323	
59	PRIOR FILING DATE: 1998-05-13	
60	PRIOR APPLICATION NUMBER: 60/085582	
61	PRIOR FILING DATE: 1998-05-15	
62	PRIOR APPLICATION NUMBER: 60/085700	
63	PRIOR FILING DATE: 1998-05-15	
64	PRIOR APPLICATION NUMBER: 60/085689	
65	PRIOR FILING DATE: 1998-05-15	
66	PRIOR APPLICATION NUMBER: 60/085579	
67	PRIOR FILING DATE: 1998-05-15	
68	PRIOR APPLICATION NUMBER: 60/085560	
69	PRIOR FILING DATE: 1998-05-15	
70	PRIOR APPLICATION NUMBER: 60/085573	
71	PRIOR FILING DATE: 1998-05-15	

Query Match	100.0%	Score 1362	DB 3	Length 2412	Mismatches	Indels	Gaps
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126	ATGGGGGAAATGATCCGCTGCTGTGTAAGCCCTCTCTCATTCGATCGCTTTTGGC	185					
61	CTTGATGATTTGAAATAAAGTCTGTGTAAGCCCTCTCTCATTCGATCGCTTTTGGC	120					
186	CTTGATGATTTGAAATAAAGTCTGTGTAAGCCCTCTCTCATTCGATCGCTTTTGGC	245					
121	CTGTCACTGCTGCCATTGAAATTTTTCATATCATCTGTCATTCGGATCATTCGATTCATA	180					
246	CTGTCACTGCTGCCATTGAAATTTTTCATATCATCTGTCATTCGGATCATTCGATTCATA	305					
181	TTAGCACTGCGCATTTGGTCTGGGATCACTTCGACTGCTCAGGGAAGTACAGATGTCG	240					
306	TTAGCACTGCGCATTTGGTCTGGGATCACTTCGACTGCTCAGGGAAGTACAGATGTCG	365					
241	TCATCCTTTAAGTGATACGAGCTGATAGCTCGATGTAAGGAGTCTGGATTCGAAAGAC	300					
366	TCATCCTTTAAGTGATACGAGCTGATAGCTCGATGTAAGGAGTCTGGATTCGAAAGAC	425					
301	GGGGAGGACGATACCGCTGTGTCGGGTGGGTGTCAGATGCGGTCTCCAGGTGTC	360					
426	GGGGAGGACGATACCGCTGTGTCGGGTGGGTGTCAGATGCGGTCTCCAGGTGTC	485					
361	ACAGCTGCTTCTGTGGAAGACCATGTCCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT	420					
486	ACAGCTGCTTCTGTGGAAGACCATGTCCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT	545					
421	GCCTGTGCCCAACTGGGTTTCCAAAGCTATGTAGTTCAGATAAACCCTCAGAGTGAGCTCG	480					
546	GCCTGTGCCCAACTGGGTTTCCAAAGCTATGTAGTTCAGATAAACCCTCAGAGTGAGCTCG	605					
481	CTGGAGGGGAGTTCCGGGAGAGATTTGTGTCATCGATTCATCTTCCAGATGACAAG	540					
606	CTGGAGGGGAGTTCCGGGAGAGATTTGTGTCATCGATTCATCTTCCAGATGACAAG	665					
541	GTGACTGCATTAACACACTCAGTATATGTAGGAGGAGGATGTGCTCTGGCCACGCTGTT	600					
666	GTGACTGCATTAACACACTCAGTATATGTAGGAGGAGGATGTGCTCTGGCCACGCTGTT	725					
601	ACCTTCAGTGACAGCTGTGTCATAGAGGGGCTACAGCTCAGCATCGTGGGTGGA	660					
726	ACCTTCAGTGACAGCTGTGTCATAGAGGGGCTACAGCTCAGCATCGTGGGTGGA	785					
661	AACATGCTCTGCTCGAGTGGCCCTGGGAGGCGAGCTTCAGTTCAGGGCTACCAAC	720					
786	AACATGCTCTGCTCGAGTGGCCCTGGGAGGCGAGCTTCAGTTCAGGGCTACCAAC	845					
721	CTGTGGGGGGCTCTGTGTCATACGCCCCCTGTGGATCATCTGTCGACACTGTTTAT	780					
846	CTGTGGGGGGCTCTGTGTCATACGCCCCCTGTGGATCATCTGTCGACACTGTTTAT	905					
781	GACTTGTACTCTCCCAAGTCATGGACCATCCAGGTGGGTCTAGTTTCCCTGTGGACAAT	840					
906	GACTTGTACTCTCCCAAGTCATGGACCATCCAGGTGGGTCTAGTTTCCCTGTGGACAAT	965					
841	CCAGCCCCATCCCATTTGGTGGAGAGATTTGTCTACCAAGCAAGTACAAGCCAAAGAGG	900					
966	CCAGCCCCATCCCATTTGGTGGAGAGATTTGTCTACCAAGCAAGTACAAGCCAAAGAGG	1025					
901	CTGGCAATGACATCCGCTTATGAAGCTGGCGGGCCACTCAGCTTCAATGAATGATC	960					
1026	CTGGCAATGACATCCGCTTATGAAGCTGGCGGGCCACTCAGCTTCAATGAATGATC	1085					
961	CAGCTGTGTGCTGCCCAACTCTGGAAGAACTTCCCCCGATGGGAAAGTGTGCTGGACG	1020					

7	PRIOR APPLICATION NUMBER: 60/066364
7	PRIOR FILING DATE: 1997-11-21
7	PRIOR APPLICATION NUMBER: 60/077450
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7	PRIOR APPLICATION NUMBER: 60/081955
7	PRIOR FILING DATE: 1998-04-15
7	PRIOR APPLICATION NUMBER: 60/081817
7	PRIOR FILING DATE: 1998-04-15
7	PRIOR APPLICATION NUMBER: 60/081819

[illegible]

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; PRIOR APPLICATION NUMBER: 60/085338
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; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGGGAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGATCGCTTTTGGC 60
DB 126 ATGGGGGAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGATCGCTTTTGGC 185

QY 61 CTTGATGATTTGAAATAAAGTCCTGTTGCACAGATGCAGATGCTGTTGCTGCACAGATC 120
DB 186 CTTGATGATTTGAAATAAAGTCCTGTTGCACAGATGCAGATGCTGTTGCTGCACAGATC 245

QY 121 CTGTCACTGCTGCATTAAGATTTTTCGAATCATGCTCATTTGGGATCATTCGATGATA 180
DB 246 CTGTCACTGCTGCATTAAGATTTTTCGAATCATGCTCATTTGGGATCATTCGATGATA 305

QY 181 TTAGACATCGCATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 240
DB 306 TTAGACATCGCATTTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCG 365

QY 241 TCATCCTTTTAAAGTGTATCAGCTGATGATGCTGATGTCGAGTCTCGGATTCGAAAGAC 300
DB 366 TCATCCTTTTAAAGTGTATCAGCTGATGATGCTGATGTCGAGTCTCGGATTCGAAAGAC 425

QY 301 GGGAGGACAGTACCGCTGTGTCGGGTGGGTGAGTGCAGATGCGGTGCTCCAGTGTTC 360
DB 426 GGGAGGACAGTACCGCTGTGTCGGGTGGGTGAGTGCAGATGCGGTGCTCCAGTGTTC 485

QY 361 ACAGCTGCTTCGTGGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACCTACGCAATGTT 420
DB 486 ACAGCTGCTTCGTGGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACCTACGCAATGTT 545

QY 421 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTAGTTTACAGATAAAGTGCAGAGTGCAG 480
DB 546 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTAGTTTACAGATAAAGTGCAGAGTGCAG 605

QY 481 CTGGAGGGGCGATTCGGGAGGAGTTTGTCCATCGATCAGTCTTTCGAGATGACAGAG 540
DB 606 CTGGAGGGGCGATTCGGGAGGAGTTTGTCCATCGATCAGTCTTTCGAGATGACAGAG 665

QY 541 GTGACTGCAATACACACATCAGTATATGTAGGAGGGGATGCTCTGGCCACGCTGTT 600
DB 666 GTGACTGCAATACACACATCAGTATATGTAGGAGGGGATGCTCTGGCCACGCTGTT 725

QY 601 ACCTTCAGTGCACAGCTGTGTATAGAGGGGCTACAGCTCAGCATTCGTGGGTGGA 660
DB 726 ACCTTCAGTGCACAGCTGTGTATAGAGGGGCTACAGCTCAGCATTCGTGGGTGGA 785

QY 661 AACATGCTTCGTCTCGAGTGGCCCTCGGAGGCGAGCTTCAGTTCCAGGGCTACAC 720
DB 786 AACATGCTTCGTCTCGAGTGGCCCTCGGAGGCGAGCTTCAGTTCCAGGGCTACAC 845

QY 721 CTGTGGGGGGCTCTGTGCATCAGCCCTGTGGATCATCACTGCTGCACACTGTGTTTAT 780

DB 846 CTGTGGGGGGCTCTGTGCATCAGCCCTGTGGATCATCACTGCTGCACACTGTGTTTAT 905
QY 781 GACTTGTACTCCCAAGTCAATGACCATTCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 840
DB 906 GACTTGTACTCCCAAGTCAATGACCATTCAGGTGGGTCTAGTTTCCCTGTTGGACAAT 965
QY 841 CCAGCCCATCCCACTTCGTGGAGAGATTGCTTACCACAGCAAGTCAAGCAAGAGAGG 900
DB 966 CCAGCCCATCCCACTTCGTGGAGAGATTGCTTACCACAGCAAGTCAAGCAAGAGAGG 1025
QY 901 CTGGCAATGACATCGCCCTTTATGAAGCTGCGCGGCCACTCACGTTCAATGAATGATC 960
DB 1026 CTGGCAATGACATCGCCCTTTATGAAGCTGCGCGGCCACTCACGTTCAATGAATGATC 1085
QY 961 CAGCCTGTGCTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGAGG 1020
DB 1086 CAGCCTGTGCTGCTGCCCAACTCTGAAGAGAACTTCCCGATGGAAGTGTGCTGGAGG 1145
QY 1021 TCAGATGGGGGGCCACAGAGATGGAGTGAAGCTCCCTGCTCCTGAAACACCGCGGCC 1080
DB 1146 TCAGATGGGGGGCCACAGAGATGGAGTGAAGCTCCCTGCTCCTGAAACACCGCGGCC 1205
QY 1081 GTCCCTTTTGAATTTCCAAACAAGATCTGCAACCAACAGGACGTGTACGGTGGCATCATCTCC 1140
DB 1206 GTCCCTTTTGAATTTCCAAACAAGATCTGCAACCAACAGGACGTGTACGGTGGCATCATCTCC 1265
QY 1141 CCCTCATGCTCTGCGCGGGCTACTGACGGGTGGGTGGAAGTGTGCGAGGGGACAGC 1200
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QY 1201 GGGGGGGGGCTGCTGTCGAAGAGAGGAGGCTGTGGAAGTGTAGTGGAGCGACACAGCTTT 1260
DB 1326 GGGGGGGGGCTGCTGTCGAAGAGAGGAGGCTGTGGAAGTGTAGTGGAGCGACACAGCTTT 1385
QY 1261 GGCATCGGCTGCGCAGAGGTGAACAAGCTGCGGGTGTACACCGGTGTACCTCTTCCTG 1320
DB 1386 GGCATCGGCTGCGCAGAGGTGAACAAGCTGCGGGTGTACACCGGTGTACCTCTTCCTG 1445
QY 1321 GACTGGATCCAGCAGCAGATGGAGAGACCTTAAACCTGA 1362
DB 1446 GACTGGATCCAGCAGCAGATGGAGAGACCTTAAACCTGA 1487

RESULT 6
US-09-978-189-68
; Sequence 68, Application US/09978189
; Publication No. US20030004102A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC7
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: US/09/978,189
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGGAAATGATCCGCTGCTGTGTGAAGCCCTTCTCATTCGATCGCTTTTGGC 60
DB 126 ATGGGGAAATGATCCGCTGCTGTGTGAAGCCCTTCTCATTCGATCGCTTTTGGC 185

QY 61 CTTGATGATTGAAATAGTCTCTTGACACAGATGCAGATGCTGTGCTGCACAGATC 120
DB 186 CTTGATGATTGAAATAGTCTCTTGACACAGATGCAGATGCTGTGCTGCACAGATC 245

QY 121 CTGTCACTGCTGCATTGAAGTTTTTTTCCAATCATCGTCATTGGGATCATTTGATGATA 180
DB 246 CTGTCACTGCTGCATTGAAGTTTTTTTCCAATCATCGTCATTGGGATCATTTGATGATA 305

QY 181 TTAGCACTGGCAATTGGTCTGGGCATCCACTTCGACTGCTCAGGAAAGTACAGATGTGCG 240
DB 306 TTAGCACTGGCAATTGGTCTGGGCATCCACTTCGACTGCTCAGGAAAGTACAGATGTGCG 365

QY 241 TCATCCTTTAAGTGTATCGAGCTGATGCTCGATGTGACGGAGTCTCGGATTGCAAGAC 300
DB 366 TCATCCTTTAAGTGTATCGAGCTGATGCTCGATGTGACGGAGTCTCGGATTGCAAGAC 425

QY 301 GGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGAGTGCAGAAATGCCGTGCTCCAGGTGTTTC 360
DB 426 GGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGAGTGCAGAAATGCCGTGCTCCAGGTGTTTC 485

QY 361 ACAGTGTCTTGTGGAAGACCAATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 420
DB 486 ACAGTGTCTTGTGGAAGACCAATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 545

QY 421 GCCTGTGCCCACTGGTTTCCCAAGCTATGTAGTTTCAGATAAACCCTCAGAGTGAGCTCG 480
DB 546 GCCTGTGCCCACTGGTTTCCCAAGCTATGTAGTTTCAGATAAACCCTCAGAGTGAGCTCG 605

QY 481 CTGGAGGGGACGTTCCGGGAGGAGTTTGTGCTCATCGATCACTCTTGGCCAGATGACAAG 540
DB 606 CTGGAGGGGACGTTCCGGGAGGAGTTTGTGCTCATCGATCACTCTTGGCCAGATGACAAG 665

QY 541 GTGACTGCATTAACCACTCAGTATATGTAGGGAGGGATGCTCTGGGCCACGTGTTT 600
DB 666 GTGACTGCATTAACCACTCAGTATATGTAGGGAGGGATGCTCTGGGCCACGTGTTT 725

QY 601 ACCTTGCAGTGCACACGCTGTGGTCTATAGAAAGGGGCTACAGCTCAGGCATCGTGGGTGA 660

DB 726 ACCTTGCAGTGCACACGCTGTGGTCTATAGAGGGGCTACAGCTCAGCATCGTGGGTGA 785
QY 661 AACATGTCCTTGTCTCGCAGTGGCCCTTGGCAGGCGAGCCTTCACTTCCAGGGCTACCAAC 720
DB 786 AACATGTCCTTGTCTCGCAGTGGCCCTTGGCAGGCGAGCCTTCACTTCCAGGGCTACCAAC 845
QY 721 CTGTGGGGGGCTGTGTATCATCAGCCCTGTGGATCATCACTGCTGCACACTGTGTTTAT 780
DB 846 CTGTGGGGGGCTGTGTATCATCAGCCCTGTGGATCATCACTGCTGCACACTGTGTTTAT 905
QY 781 GACTTGTACCTCCCAAGTCACTGGAACCATCAGGTGGGTCTAGTTTCCCTGTGACAAAT 840
DB 906 GACTTGTACCTCCCAAGTCACTGGAACCATCAGGTGGGTCTAGTTTCCCTGTGGAACAAT 965
QY 841 CCAGCCCCATCCCACTTGGTGGAGAAATTTGTCTACCAAGCAAGTCAAGCCAAAGAGG 900
DB 966 CCAGCCCCATCCCACTTGGTGGAGAAATTTGTCTACCAAGCAAGTCAAGCCAAAGAGG 1025
QY 901 CTGGCAATGACATCGCCCTTATGAAGCTGCGCGGCCACTCAGTTTCAATGAATGATC 960
DB 1026 CTGGCAATGACATCGCCCTTATGAAGCTGCGCGGCCACTCAGTTTCAATGAATGATC 1085
QY 961 CAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTTCCCGGATGGAAGTGTGCTGGACG 1020
DB 1086 CAGCCTGTGTGCTGCCCAACTCTGAAGAGAACTTTCCCGGATGGAAGTGTGCTGGACG 1145
QY 1021 TCAGATGGGGGGCCACAGAGATGGAGTGAAGCTGCGCTTCCCTGTCTGAAACCAAGCGGCC 1080
DB 1146 TCAGATGGGGGGCCACAGAGATGGAGTGAAGCTGCGCTTCCCTGTCTGAAACCAAGCGGCC 1205
QY 1081 GTCCCTTTGATTTCCAAACAAGATCTGCAACACACAGGAGCTGTACGGTGGCATCATCTCC 1140
DB 1206 GTCCCTTTGATTTCCAAACAAGATCTGCAACACACAGGAGCTGTACGGTGGCATCATCTCC 1265
QY 1141 CCCTCATGCTCTGCGCGGCTTACCTGACGGTGGCTGGACAGCTGCCAGGGGACAGC 1200
DB 1266 CCCTCATGCTCTGCGCGGCTTACCTGACGGTGGCTGGACAGCTGCCAGGGGACAGC 1325
QY 1201 GGGGGGCCCCGTGTGTCAAGAGAGGAGCTGTGGAAGTTAGTGGGAGGACCAAGCTTT 1260
DB 1326 GGGGGGCCCCGTGTGTCAAGAGAGGAGCTGTGGAAGTTAGTGGGAGGACCAAGCTTT 1385
QY 1261 GGCATCGGCTGGCAGAGTGAACAAGCCTGGGGTGTACCCGCTGTCACCTCCTTCTG 1320
DB 1386 GGCATCGGCTGGCAGAGTGAACAAGCCTGGGGTGTACCCGCTGTCACCTCCTTCTG 1445
QY 1321 GACTGGATCCACGAGCAGATGGAGAGACCTTAAAAACCTGA 1362
DB 1446 GACTGGATCCACGAGCAGATGGAGAGACCTTAAAAACCTGA 1487

RESULT 7
US-09-978-608A-68
; Sequence 68, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J

APPLICANT: Kijavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C22
CURRENT APPLICATION NUMBER: US/09/978,608A
CURRENT FILING DATE: 2001-10-16
NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 68
LENGTH: 2412
TYPE: DNA
ORGANISM: Homo sapiens
US-09-978-608A-68

Query Match 100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 126 ATGGGGGAAATGATCGCGCTGCTGTTGAAAGCCGCCCTTCTCATTCGGATCGCTTTTGGC 185

QY 61 CTTTGATGTTGAAATAAGTCTGTTGACACAGATGAGATGCTGTTGCTGCACAGATC 120
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DB 246 CTGTCACTGTCGCAATGAGTTTTCCTCAATCATCGTCAATGGATTCATTGATGATA 305

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DB 306 TTAGCACTGTCGCAATGAGTTTTCCTCAATCATCGTCAATGGATTCATTGATGATA 365

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DB 366 TCATCTCTTTAAGTATCGAGCTGATAGTCTGATGTCGAGTCTCGGATTCGAAAGAC 425

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DB 426 GGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGCTCAGATGCGGTGCTCCAGGTGTC 485

QY 361 ACAGCTGCTCGTGGAAACCATGTGCTCCGATGACTGGAAGGCTCACTAGCCTAAATGTT 420
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QY 481 CTGAGGGGCGAGTTCGGGAGGAGTTTGTGTCCATCGATCCTCTTCCAGATGACAAG 540
DB 606 CTGAGGGGCGAGTTCGGGAGGAGTTTGTGTCCATCGATCCTCTTCCAGATGACAAG 665

QY 541 GTGAGTCAATTAACCACTCAGTATATGTGAGGGAGGAGTGTGCTCTGGCCAGCTGTT 600
DB 666 GTGAGTCAATTAACCACTCAGTATATGTGAGGGAGGAGTGTGCTCTGGCCAGCTGTT 725

QY 601 ACCTTGAGTGCACAGCTGTGTTGTCATGAAAGGGGCTACAGCTCAGCATCGTGGGTGA 660
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DB 786 AACATGTCCTCTCTCGCAGTGGCCCTTGGAGGCGAGCTTTCAGTTCAGGGCTACCA 845
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QY 781 GACTTGTACCTCCCAAGTCATGAGCCATCCAGGTCGAGTTCCTCTGTTGGCAAT 840
DB 906 GACTTGTACCTCCCAAGTCATGAGCCATCCAGGTCGAGTTCCTCTGTTGGCAAT 965
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DB 966 CCAGCCCCATCCCACTTGGTGGAGAGATTGTCACACAGCAAGTACAAAGCCAAAGAGG 1025
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DB 1026 CTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCACTCACGTTCAATGAATGATC 1085
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DB 1086 CAGCCTGTGCTGCTGCCAACTCTGAAGAACTTCCCGGATGGAAAAGTGTGCTGGACG 1145
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DB 1326 GGGGGGCCCTGTGTGTCAAGAGAGAGGCTGTGGAAGTGTAGTGGAGGCGACGCTTT 1385
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DB 1386 GGCACTGGCTGCGCAGAGGTGACAAAGCTGGGGTGTACACCGGTGTCACTCTCTCTG 1445
QY 1321 GACTGATCCACAGAGAGATGGAGAGAGACTTAAACCTGA 1362
DB 1446 GACTGATCCACAGAGAGATGGAGAGAGACTTAAACCTGA 1487

RESULT 8
US-09-978-585A-68
; Sequence 68, Application US/09978585A
; Publication No. US20030049633A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;

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; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630PIC15
; CURRENT APPLICATION NUMBER: US/09/978,585A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 68
; LENGTH: 2412
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-978-585A-68

Query Match      100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGGGAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 60
DB 126 ATGGGGGAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC 185

QY 61 CTTGATGATTTGAAATAAAGTCTGTGCAACAGATGCAGATGCTGTTGCTGCACAGATC 120
DB 186 CTTGATGATTTGAAATAAAGTCTGTGTCACAGATGCAGATGCTGTTGCTGCACAGATC 245

QY 121 CTGTCACTGCTGCCATTGAAGTTTTTCCAATCATCGTCATTTGGATCATTTGCATGATA 180
DB 246 CTGTCACTGCTGCCATTGAAGTTTTTCCAATCATCGTCATTTGGATCATTTGCATGATA 305

QY 181 TTAGACATCGGCATTGCTCGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTGCG 240
DB 306 TTAGACATCGGCATTGCTCGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTGCG 365

QY 241 TCATCCTTTAAGTGTATCAGAGCTGATGATCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
DB 366 TCATCCTTTAAGTGTATCAGAGCTGATGATCGATGTGACGGAGTCTCGGATTTGCAAGAC 425

QY 301 GGGGAGGACGATACCGCTGTGTCGGGTGGGTGCTCAGATGCGGTGCTCCAGTGTTC 360
DB 426 GGGGAGGACGATACCGCTGTGTCGGGTGGGTGCTCAGATGCGGTGCTCCAGTGTTC 485

QY 361 ACAGCTGCTTCTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACCTACGCAAAATGT 420
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QY 421 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAAACCCTCAGAGTGAGCTCG 480
DB 546 GCCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAGTTTCAGATAAACCCTCAGAGTGAGCTCG 605

QY 481 CTGAGGGGCGATTCGCGGAGGAGTTTGTGTCATGATCACTCTTGTGCGAGATGACAAAG 540
DB 606 CTGAGGGGCGATTCGCGGAGGAGTTTGTGTCATGATCACTCTTGTGCGAGATGACAAAG 665

QY 541 GTGACTGCAATTACACACTCAGTATATGTGAGGAGGGATGTCCTCTGGCCACGTGGTT 600
DB 666 GTGACTGCAATTACACACTCAGTATATGTGAGGAGGGATGTCCTCTGGCCACGTGGTT 725

QY 601 ACCTTGCACTGCACAGCTGTGGTTCATAGAAGGGGCTACAGCTCAGCATTCGTGGGTGGA 660
DB 726 ACCTTGCACTGCACAGCTGTGGTTCATAGAAGGGGCTACAGCTCAGCATTCGTGGGTGGA 785

QY 661 AACATGTCTTGTCTCGAGATGGGCCCTGGCAGGCCCTTCAGTTCCAGGGCTACAC 720
DB 786 AACATGTCTTGTCTCGAGATGGGCCCTGGCAGGCCCTTCAGTTCCAGGGCTACAC 845

QY 721 CTGTGGGGGGCTCTGTCTCATCGCCCTGTGGATCATCACTGCTGCACACTGTGTTTAT 780
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DB 846 CTGTGGGGGGCTCTGTCTCATCGCCCTGTGGATCATCACTGCTGCACACTGTGTTTAT 905
QY 781 GACTTGTACTCCCAAGTGCATGGACCATCAGGTGGGTCTAGTTTCCTGTTGGCAAT 840
DB 906 GACTTGTACTCCCAAGTGCATGGACCATCAGGTGGGTCTAGTTTCCTGTTGGCAAT 965
QY 841 CCAGCCCATCCCACTTGGTGGAGAAATGTTCTTACACAGCAAGTCAAGCAAGAGAGG 900
DB 966 CCAGCCCATCCCACTTGGTGGAGAAATGTTCTTACACAGCAAGTCAAGCAAGAGAGG 1025
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DB 1026 CTGGCAATGATCATCGCCCTTATGAAGTGGCGGGCCACTCATTCAATGAATGATC 1085
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QY 1141 CCCTCATGCTCTGGCGGGGTACTGACGGGTGGCTGGACAGCTGCCAGGGGACAGC 1200
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QY 1321 GACTGGATCCAGAGCAGATGAGAGACCTTAAAAACCTGA 1362
DB 1446 GACTGGATCCAGAGCAGATGAGAGACCTTAAAAACCTGA 1487
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RESULT 9

US-09-978-191A-68

; Sequence 68, Application US/09978191A

; Publication No. US20030050239A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

APPLICANT: Tumaas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC4
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: US/09/978,191A
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/085697

Query Match      100.0%; Score 1362; DB 3; Length 2412;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CTTGATGATTTGAAATAAGTCTGTTGACACAGATGACAGTCTGTTGCTGACAGATC 120
DB 186 CTTGATGATTTGAAATAAGTCTGTTGACACAGATGACAGTCTGTTGCTGACAGATC 245
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QY 301 GGGGAGGACAGTACCGCTGTGTCCGGGTGGGTGGTTCAGAAATGCCGTGCTCCAGGTGTTTC 360
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QY 481 CTGGAGGGGACAGTTCGGGAGGAGTTTGTGTCATCGATCACTCTTTCAGATGACAAAG 540
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DB 1086 CAGCCTGTGTGCTGCTGCCCAACTCTGAAGAGAACTTTCCCGATGGAAAGTGTGTGGACG 1145
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DB 1446 GACTGGATCCACGAGCAGATGGAGAGACCTTAAAAAAGCTGA 1487
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RESULT 10
US-09-978-403A-68
; Sequence 68, Application US/09978403A
; Publication No. US20030050240A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
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; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
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; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
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APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C17
CURRENT APPLICATION NUMBER: US/09/978,403A
CURRENT FILING DATE: 2002-03-19
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Query Match 100.0%; Score 1362; DB 3; Length 2412;
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Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 546 GCCTGTGCCCACTGGGTTTCCAGCTATGTAGTTTCAGATAA CTTCAAGTGTAGCTCG 605
QY 481 CTGGAGGGGACGTTCCGGGAGGAGTTTGTGTCCATCGATCACCTCTTGGCAGATGACAAG 540

Db 606 CTGGAGGGGACGTTCCGGGAGGAGTTTGTGTCCATCCGATCACCTCTTCCAGATGACAAG 665
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RESULT 11
US-09-978-564A-68
; Sequence 68, Application US/09978564A
; Publication No. US20030050241A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
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APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PIC25
CURRENT APPLICATION NUMBER: US/09/978,564A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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DB 486 ACAGCTGCTTCGTGGAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAATGTT 545
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DB 1146 TCAGATGGGGGCCACAGAGATGAGGTGACGCTCCCTGTCTGAAACCAAGCGGCC 1205
QY 1081 GTCCCTTTGATTTCCAAAGATCTGCAACACAGGAGCTGTACGGTGGCATCATCTCC 1140
DB 1206 GTCCCTTTGATTTCCAAAGATCTGCAACACAGGAGCTGTACGGTGGCATCATCTCC 1265
QY 1141 CCCTCCATGCTCTGCGCGGGCTACCTGACGGGTGGGTGGAAGCTGCCAGGGGACAGC 1200
DB 1266 CCCTCCATGCTCTGCGCGGGCTACCTGACGGGTGGGTGGAAGCTGCCAGGGGACAGC 1325
QY 1201 GGGGGGCCCCCTGGTGTCTCAAGAGAGGAGCTGTGGAGTGTAGTGGGAGCGACGCTTT 1260
DB 1326 GGGGGGCCCCCTGGTGTCTCAAGAGAGGAGCTGTGGAGTGTAGTGGGAGCGACGCTTT 1385
QY 1261 GGCATCGGCTGCGCAGAGGTGAACAAAGCTGGGGGTGTACACCCGTGTCTACCTCTTCTG 1320
DB 1386 GGCATCGGCTGCGCAGAGGTGAACAAAGCTGGGGGTGTACACCCGTGTCTACCTCTTCTG 1445
QY 1321 GACTGGATCCACGACAGATGAGAGAGACCTTAAACCTGA 1362
DB 1446 GACTGGATCCACGACAGATGAGAGAGACCTTAAACCTGA 1487

RESULT 12
US-09-999-833A-68
; Sequence 68, Application US/09999833A
; Publication No. US20030054405A1
; GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
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APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C65
CURRENT APPLICATION NUMBER: US/09/999,833A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
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PRIOR APPLICATION NUMBER: 60/065311
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PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-04-29

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		PRIORITY APPLICATION NUMBER: 60/085573	
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		PRIORITY APPLICATION NUMBER: 60/085704	
		PRIORITY FILING DATE: 1998-05-15	
		PRIORITY APPLICATION NUMBER: 60/085697	
		Query Match 100.0%; Score 1362; DB 3; Length 2412;	
		Best Local Similarity 100.0%; Pred. No. 0;	
		Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	1	ATGGGGGAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC	60
DB	126	ATGGGGGAAATGATCCGCTGCTGTTGAAGCCCTTCTCATTCGGATCGCTTTTGGC	185
QY	61	CTTGATGATTGAAATAAGTCTGTTGCCACAGATGAGATGCTGTTGCTGCACAGATC	120
DB	186	CTTGATGATTGAAATAAGTCTGTTGCCACAGATGAGATGCTGTTGCTGCACAGATC	245
QY	121	CTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATGCTCATTTGGGATCATTCATTGATA	180
DB	246	CTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATGCTCATTTGGGATCATTCATTGATA	305
QY	181	TTAGACCTGGCATTTGCTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTGCG	240
DB	306	TTAGCACTGGCATTTGCTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTGCG	365
QY	241	TCATCCTTTAAGTGTATCGAGCTGATGACGGAGTCTCGGATTGCAAGAC	300

DB	366	TCACTCCTTTAAGTGTATCGAGCTGATAGCTCGATGTCGCGAGTCTCGGATTGCAAGAC	425
QY	301	GGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC	360
DB	426	GGGGAGGACGAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC	485
QY	361	ACAGCTGCTTCGTGGAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT	420
DB	486	ACAGCTGCTTCGTGGAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT	545
QY	421	GCCTGTGCCAACTGGGGTTTCCAAAGCTATGTAGTTCAGATAACCTCAGAGTGAAGTTCG	480
DB	546	GCCTGTGCCAACTGGGGTTTCCAAAGCTATGTAGTTCAGATAACCTCAGAGTGAAGTTCG	605
QY	481	CTGGAGGGGCAAGTTCGGGAGGAGTTTGTGTCCATCGATCACCTCTTCCAGATGACAAG	540
DB	606	CTGGAGGGGCAAGTTCGGGAGGAGTTTGTGTCCATCGATCACCTCTTCCAGATGACAAG	665
QY	541	GTGACTGCATTTACACCACTCAGATATATGTGAGGAGGAGTGTGCTCTGGCCACCTGGTT	600
DB	666	GTGACTGCATTTACACCACTCAGATATATGTGAGGAGGAGTGTGCTCTGGCCACCTGGTT	725
QY	601	ACCTTTGCAAGTGCACAGCCTGTGGTCAATAGAAAGGGGCTACAGCTCAGCATCTGTGGTGA	660
DB	726	ACCTTTGCAAGTGCACAGCCTGTGGTCAATAGAAAGGGGCTACAGCTCAGCATCTGTGGTGA	785
QY	661	AACATGTCTTGTCTCTGCAGTGGCCCTGGCAGGCCAGCCTTCAGTTCGAGGGCTACCAAC	720
DB	786	AACATGTCTTGTCTCTGCAGTGGCCCTGGCAGGCCAGCCTTCAGTTCGAGGGCTACCAAC	845
QY	721	CTGTGCGGGGCTCTGTCTCATCAGCCCTCTGTGGATCATCACTGTGACACCTGTGTTTAT	780
DB	846	CTGTGCGGGGCTCTGTCTCATCAGCCCTCTGTGGATCATCACTGTGACACCTGTGTTTAT	905
QY	781	GACTTGTACCTCCCCAAGTCAATGAGACCATCAGAGTGGGTCTAGTTTCCTGTTGACAAT	840
DB	906	GACTTGTACCTCCCCAAGTCAATGAGACCATCAGAGTGGGTCTAGTTTCCTGTTGACAAT	965
QY	841	CCAGCCCATCCCACTTGGTGGAGAGATTGTCTACACAGCAAGTACAGGCCAAGAGG	900
DB	966	CCAGCCCATCCCACTTGGTGGAGAGATTGTCTACACAGCAAGTACAGGCCAAGAGG	1025
QY	901	CTGGGCAATGATCGCCCTTATGAAGCTGGCCGGCCACTCACCTTCAAATGAAATGATC	960
DB	1026	CTGGGCAATGATCGCCCTTATGAAGCTGGCCGGCCACTCACCTTCAAATGAAATGATC	1085
QY	961	CAGCCTGTGTGCTGCCCAAATCTTGAAAGAGAACTTTCCCGATGGAAGAGTGTGCTGGAG	1020
DB	1086	CAGCCTGTGTGCTGCCCAAATCTTGAAAGAGAACTTTCCCGATGGAAGAGTGTGCTGGAG	1145
QY	1021	TCAGATGGGGGGCCACAGAGATGGAGTGAAGCTCCCTGCTCTGACCCACCGCGGC	1080
DB	1146	TCAGATGGGGGGCCACAGAGATGGAGTGAAGCTCCCTGCTCTGACCCACCGCGGC	1205
QY	1081	GTCCCTTTGATTTCACAAAGATCTGCAACACAGGACGCTGACGCTGGCATCATCTCC	1140
DB	1206	GTCCCTTTGATTTCACAAAGATCTGCAACACAGGACGCTGACGCTGGCATCATCTCC	1265
QY	1141	CCCTCCATGCTCTGCGGGGCTTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGACAGC	1200
DB	1266	CCCTCCATGCTCTGCGGGGCTTACCTGACGGGTGGCGTGGACAGCTGCCAGGGGACAGC	1325
QY	1201	GGGGGGGGCTGTGTGTCAAGAGGAGGCTGTGGAAGTTAGTGGGACGACCAAGCTTT	1260
DB	1326	GGGGGGGGCTGTGTGTCAAGAGAGGAGGCTGTGGAAGTTAGTGGGACGACCAAGCTTT	1385
QY	1261	GGCATCGGCTGCGAGAGTGAACAGCTGGGGTGTACCCCTGTCACTCTCTCTCTG	1320
DB	1386	GGCATCGGCTGCGAGAGTGAACAGCTGGGGTGTACCCCTGTCACTCTCTCTCTG	1445
QY	1321	GACTGGATCCACAGCAGATGGAGAGACCTTAAAGAACTGTA	1362

Db 1446 GACTGGATCCAGCAGCAGATGGAGAGACCTAAAAACCTGA 1487

RESULT 13

US-09-981-915A-68
Sequence 68, Application US/09981915A
Publication No. US20030054986A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C12
CURRENT FILING DATE: 2001-10-16
CURRENT APPLICATION NUMBER: US/09/981,915A
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
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PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656

PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
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PRIOR APPLICATION NUMBER: 60/083322
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PRIOR FILING DATE: 1998-04-29

[illegible]

Db 1326 GGGGGCCCCCTGGTGTCAAGAGAGAGGAGGCTGTGGAAGTTAGTGGGAGGACGACCTTT 1385
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QY 1321 GACTGGATCCAGCAGCAGATGGAGAGACCTTAAAAACCTGA 1362
Db 1446 GACTGGATCCAGCAGCAGATGGAGAGACCTTAAAAACCTGA 1487

RESULT 14
US-09-978-824-68
; Sequence 68, Application US/09978924
; Publication No. US20030055216A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Peoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C14
; CURRENT APPLICATION NUMBER: US/09/978,824
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
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QY	121	CTGTCACTGCTGCCATTGAAGTTTTTCCAAATCATFCGTATTGGGATCATTCGATGTATA	180
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QY	601	ACCTTGAGTGCACAGCCTGTGTCATAGAGGGGCTACAGTACGCGATCGTGGGTGA	660
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QY	661	AACATGTCCTTGTCTCGCAGTGGCCCTGGCAGGCGAGCTTCAGTTCAGGGTACCAC	720
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QY	721	CTGTGCGGGGCTCTGTTCATCAGCCCTGTGGATCATCTGTGTCACACTGTGTTAT	780
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QY	961	CAGCCTGTGCTGCCCAACTCTGAAGAGAACTTCCCGGATGGAAGTGTGCTGGACG	1020
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; APPLICANT: Aehkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
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OM nucleic - nucleic search, using sw model

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Post-processing: Minimum Match 0%
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7: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq:
8: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq2:
9: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq3:
10: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1349	99.0	1365	7	US-11-037-243-44
2	191.2	14.0	1374	7	US-11-037-243-51
3	181.4	13.3	1614	7	US-11-037-243-45
4	159.2	11.7	2038	7	US-11-183-914-18
5	159.2	11.7	2063	7	US-11-102-240-111
6	152.2	11.2	3387	7	US-11-037-243-38
7	143	10.5	1615	7	US-11-182-752-1
8	143	10.5	1783	7	US-11-112-908-14
9	143	10.5	1783	7	US-11-000-688-380
10	136.6	10.0	780	7	US-11-056-621-5
11	136.6	10.0	2376	7	US-11-056-621-3
12	128.8	9.5	2596	7	US-11-136-527-2102
13	127.6	9.4	2716	6	US-10-995-561-19
14	125.6	9.2	1737	7	US-11-037-243-41
15	117.4	8.6	902	6	US-10-775-169-190
16	117.4	8.6	947	7	US-11-127-877-33
17	114.8	8.4	981	7	US-11-037-243-46
18	113.6	8.3	1081	7	US-11-183-914-15
19	113	8.3	1129	6	US-10-131-826A-221
20	112.8	8.3	2409	7	US-11-037-243-54
21	112.6	8.3	1400	7	US-11-136-527-5107
22	112.6	8.3	2739	7	US-11-136-527-1011
23	111.6	8.2	792	7	US-11-037-243-37

Sequence 52, Appl
Sequence 7, Appl
Sequence 508, App
Sequence 216, App
Sequence 244, App
Sequence 26, Appl
Sequence 23, Appl
Sequence 3745, Ap
Sequence 2462, Ap
Sequence 1, Appl
Sequence 85, Appl
Sequence 33, Appl
Sequence 191, App
Sequence 105, App
Sequence 7841, Ap
Sequence 36, Appl
Sequence 771, App
Sequence 4867, Ap
Sequence 13509, A
Sequence 6558, Ap
Sequence 83670, A
Sequence 27, Appl

24 108.8 9.0 2457 7 US-11-037-243-52
25 102 7.5 2016 7 US-11-029-003-7
26 99.2 7.3 3178 7 US-11-136-527-508
27 97.8 7.2 2087 6 US-10-775-169-216
28 96.6 7.1 3243 6 US-10-995-561-244
29 95.8 7.0 888 7 US-11-037-243-26
30 95.8 7.0 918 7 US-11-137-465-23
31 94.8 7.0 792 7 US-11-136-527-3745
32 93.4 6.9 1113 7 US-11-136-527-2462
33 93 6.8 2497 6 US-10-220-824-1
34 91.2 6.7 1738 7 US-11-037-243-33
35 90.8 6.7 1733 7 US-11-080-991-85
36 90.8 6.7 1802 6 US-10-821-234-191
37 89.4 6.6 2103 7 US-11-102-240-105
38 88 6.5 600 7 US-11-136-527-7841
39 86 6.3 1059 7 US-11-037-243-36
40 82 6.0 821 7 US-11-136-527-771
41 82 6.0 821 7 US-11-136-527-4867
42 81.2 6.0 40000 6 US-10-995-561-13509
43 77.4 5.7 600 7 US-11-136-527-6558
44 76 5.6 201 6 US-10-995-561-83670
45 75 5.5 1887 7 US-11-037-243-27

ALIGNMENTS

RESULT 1
US-11-037-243-44
; Sequence 44, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; PRIOR FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 44
; LENGTH: 1365
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-037-243-44

Query Match 99.0%; Score 1349; DB 7; Length 1365;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 3; Gaps 1;
QY 1 ATGGGGGAAATGATCGCGCTGCTGTGTAAGCCCTTCTCATTCGATCGCTTTTGGC 60
Db 1 ATGGGGGAAATGATCGCGCTGCTGTGTAAGCCCTTCTCATTCGATCGCTTTTGGC 60
QY 61 CTTGATGATTGAAATAAGTCTGTTGCACAGATGAGATGCTGTTGCTGCACAGATC 120
Db 61 CTTGATGATTGAAATAAGTCTGTTGCACAGATGAGATGCTGTTGCTGCACAGATC 120
QY 121 CTGTCACTGCTGCATTGAAGTTTTTCCCAATCATCGTCAATTCGGATCATTCGATGATA 180
Db 121 CTGTCACTGCTGCATTGAAGTTTTTCCCAATCATCGTCAATTCGGATCATTCGATGATA 180
QY 181 TTAGCACTGCGCAATTTGGTCTGGGATCCACTTCGACTGCTCAGGGAAGTACAGATGCGC 240
Db 181 TTAGCACTGCGCAATTTGGTCTGGGATCCACTTCGACTGCTCAGGGAAGTACAGATGCGC 240

QY 241 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
DB 241 TCATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTTGCAAGAC 300
QY 301 GGGAGGAGGAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC 360
DB 301 GGGAGGAGGAGTACCGCTGTGTCGGGTGGGTGTCAGAAATGCCGTGCTCCAGGTGTTTC 360
QY 361 ACAGCTGCTTCGTGGAAGACCAATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 420
DB 361 ACAGCTGCTTCGTGGAAGACCAATGTGCTCCGATGACTGGAAGGGTCACTACGCAAAATGTT 420
QY 421 GCCTGTGCCAACTGGGTTCCTCAAGCTATGTGATGTTTCAATGAACTCCTCAGAGTGAGCTCG 480
DB 421 GCCTGTGCCAACTGGGTTCCTCAAGCTATGTGATGTTTCAATGAACTCCTCAGAGTGAGCTCG 480
QY 481 CTGGAGGGGACGTCCTGGGAGGAGTTGTGTCATCGATCACTCTTGGCCAGATCACAAG 540
DB 481 CTGGAGGGGACGTCCTGGGAGGAGTTGTGTCATCGATCACTCTTGGCCAGATCACAAG 540
QY 541 GTGACTGCAATACCACTCAGTATATGTGAGGAGGATGTGCTCTGGCCACGCTGGTT 600
DB 541 GTGACTGCAATACCACTCAGTATATGTGAGGAGGATGTGCTCTGGCCACGCTGGTT 600
QY 601 ACCTTGCAAGTGCACGCTGTGGTATAGAAAGGGGCTACAGCTCAGCAATCGTGGGTGA 660
DB 601 ACCTTGCAAGTGCACGCTGTGGTATAGAAAGGGGCTACAGCTCAGCAATCGTGGGTGA 660
QY 661 AACATGTCTTCTCGCAGTGGGCTTGGAGGAGGAGTGTGTCATCGATCACTCTTGGCCAGATCACAAG 720
DB 661 AACATGTCTTCTCGCAGTGGGCTTGGAGGAGGAGTGTGTCATCGATCACTCTTGGCCAGATCACAAG 720
QY 721 CTGTGCGGGGCTCTGTATCATCGCCCTGTGGATCATCACTGTGTCACACTGTGTTTAT 780
DB 721 CTGTGCGGGGCTCTGTATCATCGCCCTGTGGATCATCACTGTGTCACACTGTGTTTAT 780
QY 781 GACTGTGTACTCTCCCAAGTATGAGCAATCCAGGAGGAGTGTGTCATCGATCACTCTTGGCCAGATCACAAG 840
DB 781 GACTGTGTACTCTCCCAAGTATGAGCAATCCAGGAGGAGTGTGTCATCGATCACTCTTGGCCAGATCACAAG 840
QY 841 CCAGCCCAATCCACTTGTGAGGAGGAGTGTGTCATCGATCACTCTTGGCCAGATCACAAG 900
DB 841 CCAGCCCAATCCACTTGTGAGGAGGAGTGTGTCATCGATCACTCTTGGCCAGATCACAAG 900
QY 901 CTGGGCAATGACATCGCCCTTATGAGCTGGCGGCGCACTCACGTTTCAATGAAATGATC 960
DB 901 CTGGGCAATGACATCGCCCTTATGAGCTGGCGGCGCACTCACGTTTCAATGAAATGATC 960
QY 961 CAGCCTGTGTGCTGCCCCAATCTGAAGAGAACTTCCCGATGGAAGAGTGTGCGGAG 1020
DB 961 CAGCCTGTGTGCTGCCCCAATCTGAAGAGAACTTCCCGATGGAAGAGTGTGCGGAG 1020
QY 1021 TCAGATGGGGGCCACAGAGATGAG--AGGTGAGCTCCCTGTGCTGCAACCAAGCGG 1077
DB 1021 TCAGATGGGGGCCACAGAGATGAG--AGGTGAGCTCCCTGTGCTGCAACCAAGCGG 1077
QY 1078 GCGCTCCCTTTGATTTCCAAAGATCTGCAACCAAGAGAGCTGTGACGGTGGCATCATC 1137
DB 1078 GCGCTCCCTTTGATTTCCAAAGATCTGCAACCAAGAGAGCTGTGACGGTGGCATCATC 1137
QY 1138 TCCCTCCATGCTCTGCGGGCTACCTGACGGGTGGGTGGAAGAGTGTGCGAGGGGAC 1197
DB 1141 TCCCTCCATGCTCTGCGGGCTACCTGACGGGTGGGTGGAAGAGTGTGCGAGGGGAC 1200
QY 1198 AGCGGGGGCCCTGGTGTCTCAAGAGAGGCTGTGAACTAGTGGGAGGCCAGC 1257
DB 1201 AGCGGGGGCCCTGGTGTCTCAAGAGAGGAGGCTGTGAACTAGTGGGAGGCCAGC 1260
QY 1258 TTTGGCATCGGCTGCGCAGAGGTGAACAAGCTTGGGGTGTACACCGCTGTACCTCTTC 1317
DB 1261 TTTGGCATCGGCTGCGCAGAGGTGAACAAGCTTGGGGTGTACACCGCTGTACCTCTTC 1320

QY 1318 CTGAGCTGATCCAGAGCAGATGGAGAGACCTTAAAAAAGCTGA 1362
DB 1321 CTGAGCTGATCCAGAGCAGATGGAGAGACCTTAAAAAAGCTGA 1365
RESULT 2
US-11-037-243-51
; Sequence 51, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 1374
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-037-243-51

Query Match 14.0%; Score 191.2; DB 7; Length 1374;
Best Local Similarity 55.8%; Pred. NO. 1.6e-46;
Matches 433; Conservative 0; Mismatches 328; Indels 15; Gaps 3;

QY 571 AGGAGGAGTGTGCTCTGGCCACGTTGTTACCTTGCAGTGCACAGCCTGTGGTCA 630
DB 577 AGGAACAACCTGCACCTTCTGGTCAAGTTGTTTCCCTCAGATGCTCTGAGTGTGG--AGGG 633
QY 631 AGGGGCTACAGCTCAGCATCGTGGTGGAAACATGTCTTGCTCTCGCAGTGGCCCTGG 690
DB 634 AGGCCCTTGGCTTCCGGATAGTTGGTGGCAGTCTGTGGCTCTCGGGGCTGCGTGG 693
QY 691 CAGGCCAGCTTCAAGTCCAGGGCTACCACTGTGCGGGGGCTGTGTCATCAAGCCCTG 750
DB 694 CAGGCCAGCTGCGGCTTGGGCTTCCGGCACAGCTGTGGGGGCTGTGCTAGCGCACGC 753
QY 751 TGGATCATCATGCTGACACATGTGTTTATGACTTGTACCTCCCAAGTCAAGGACATC 810
DB 754 TGGGTGGTGAAGTGTGACATTTGATGACAGTTTTCAGGCTGGCCGCTGTCCAGCTGG 813
QY 811 CAGGTGGGCTAGTATTTCCCTGTGGACAAATCCAGCCCAATCCCACT-----TGGTG 861
DB 814 CGGGTTCATGGGGCTGGTACGCCACAGTGCCTGAGCCCAAGGGGCTCTGGTG 873
QY 862 GAGAGATGTGTACCAAGCAAGTACAGCAAGAGGCTGGGCAATGACATCGCCCTT 921
DB 874 GAGAGGATATCCACACACCCCTCTACAGTGGCCAGAAATCATGACTACGACGTGCGCCCTC 933
QY 922 ATGAGCTGGCGGCCACTCAGTTCAATGAAATGATCCAGCTGTGTCCTGCCCAAC 981
DB 934 CTGAGGCTCCAGACCGCTCTCACTTCTCAGACATGTGGGGGCTGTGTGCTGCGGCC 993
QY 982 TCTGAAGAGAACTTCCCGATGGAAAAGTGTGCTGGAAGTGGGGGGCCACAGAG 1041
DB 994 AAGGAACAGCATTTTCCGAGGGCTCGCGGTGCTGGGTGTCTGGCTGGGGCCACACCCAC 1053
QY 1042 GATGG---AGTGAAGCTTCCCTCTCTGAACCAAGCGGGCGCTCCCTTTGATTTCCAAAC 1098
DB 1054 CCGTACCATCTTACAGCTCGGATATGCTCCAGGACACGGTGGTGGCTTGTTCAGCACT 1113
QY 1099 AAGATCTGCACCAACAGGAGCGTGTACGTTGGCATCATCTCCCCCTCCATGCTCTGCGCG 1158

Db 1114 CAGCTCTGCAACAGCTCTTGGCTGTATACAGCGAGCCCTCACCCCGCATGCTTTCGCGT 1173
Qy 1159 GCGTACCTGACGGGTGGCTGACAGCTGCCAGGGGGACAGCGGGGGCCCTGGTGTGT 1218
Db 1174 GCGTACCTGACGGGAAGGCGCTGATGATGCCAGGGAGATAGCGGGGGCCCTTGTGTGC 1233
Qy 1219 CAAGAGAGGAGGCTGTGGAAGTTAGTGGAGCGCACAGCTTTGGCATCGGCTGCGCAGAG 1278
Db 1234 CCGATGGGGACACATGGCGCCCTAGTGGGGTGGTCACTGGGGGCGCTGCGTGGCAGAG 1293
Qy 1279 GTGAACAAGCTTGGGGTGTACACCGGTGTCACTCTCTTCTGGACTGGATTCACAGA 1334
Db 1294 CCAATCACCGAGGTGTCTACGCCAAGGTAGCTGAGTTTCTGGAAGTGCATCA 1349

RESULT 3

US-11-037-243-45
; Sequence 45, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; CURRENT FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 45
; LENGTH: 1614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-037-243-45

Query Match 13.3%; Score 181.4; DB 7; Length 1614;
Best Local Similarity 55.7%; Pred. No. 1.4e-43;
Matches 413; Conservative 0; Mismatches 316; Indels 12; Gaps 3;
Qy 631 AGGGGCTACAGCTCAGCGATCGTGGGTGGAAACATGTCTTGTCTCTCGCAGTGGCCCTGG 690
Db 868 AGGGCCATGACCGGGCGGATCGTGGAGGGCGCTGGCTCGGATAGCAAGTGGCTTGG 927
Qy 691 CAGGCCAGCCTTCAGTTCAGAGGCTACCACTGTGCGGGGGCTCTGTCAATCAGCCCTTG 750
Db 928 CAAGTGAGTCTGCACTTCGGGCACACCCACATCTGTGGAGGACGCTCATTTGACGCCAG 987
Qy 751 TGATCATCACTCTGCACTGTGTTATG-----ACTTGTACTCCCAAGTCATGG 804
Db 988 TGGGTGTCTACTCGCGCCCACTGCTTCTGTGACCGGGAGAGGTCTTGGAGGGCTGG 1047
Qy 805 ACCATCAGGTGGTCTAGTTTCCCTGTGTGCAATCCAGCCCATCCCACTTGGTGGAG 864
Db 1048 AAGGTGTACGGGGCCACAGCACTGCACAGTGTGCTGAGGAGCCTCCATTTGCGGAG 1107
Qy 865 AAGATTGTCTACCAAGCAAGTACAAAGCCAAAGAGGTGGGCAATGATCGCCCTTATG 924
Db 1108 ATCA---TCATCAACAGCAATTACCCGATGAGGAGGACGACTATGATCGCCCTCATG 1164
Qy 925 AAGTGGCCGGGCACCTCACTTCAATGAATGATCCAGCCTGTGTGCTGCGCCCACTCT 984
Db 1165 CGGCTGTCAAGCCCTGACCCCTGTCCGCTCAATCCACCTGTGCTGCTTCCCTCCCATGAT 1224
Qy 985 GAGAGAACTTCCCGATGAAAGTGTGCTGCAAGTGTGCTGAGCGTCAGGATGGGGGGCCACAGAGAT 1044

Db 1225 GGACAGACCTTAGCTCAATGAGACCTGTGGATCAAGGCTTTGGCAAGACAGGAG 1284
Qy 1045 GGAGGTGAC---GCCCTCCCTGTCTGTAAACACACGCGCGCTCCCTTTGATTTTCAACAG 1101
Db 1285 ACAGATGACAAGACATCCCTTCTCCGGAGGTGACAGGTCAATCTCATCGACTTCAAG 1344
Qy 1102 ATCTGCAACCAAGGAGCTGTACGGTGGCATCATCTCCCTCCCTCCATCTCTGCGCGGCG 1161
Db 1345 AAATGCAATGACTACTTGGTCTATGACAGTTACCTTACCCCAAGGATGATGTGCTGGG 1404
Qy 1162 TACCTGACGGGTGGGTGACAGCTGCGAGGGGACAGCGGGGGCCCTTGTGTGTCAA 1221
Db 1405 GACCTTCTGGGGGACAGACTCTCTGCGAGGACAGCGGGGGCCCTTGTGTGTGAG 1464
Qy 1222 GAGAGGAGCTGTGGAAGTTAGTGGAGCGACAGCTTTGGCATCGGCTGCGCAGAGTG 1281
Db 1465 CAGAACACCGCTGCTGTGCTGACAGTGTACAGGCTGGGGCACAGGCTGTGGCCAGAGA 1524
Qy 1282 AACAGCCTGGGTGTACACCGTGTACCTTCTGGAAGTGTGATCCAGCAGAGATG 1341
Db 1525 AACAAACCTGGTGTGTACACCAAGTGACAGAAAGTTCTTCCCTGGATTTACAGCAAGATG 1584
Qy 1342 GAGAGAGACCTAAACACCTGA 1362
Db 1585 GAGAGGAGGTGCGATTGAGA 1605

RESULT 4

US-11-183-914-18
; Sequence 18, Application US/11183914
; Publication No. US2005028214A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; APPLICANT: Tang, Tom Y.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; APPLICATION DATA:
; APPLICATION NUMBER: US/11/183,914
; FILING DATE: 19-JULY-2005
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,271
; FILING DATE: 16-Jan-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mohan-Peterson, Sheela
; REGISTRATION NUMBER: 41,201
; REFERENCE/DOCKET NUMBER: PF-0458 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 18:
; LENGTH: 2038 base pairs
; TYPE: nucleic acid

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; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNOT13
; CLONE: 1337018
US-11-183-914-18

Query Match      11.7%; Score 159.2; DB 7; Length 2038;
Best Local Similarity 53.7%; Pred. No. 5.9e-37;
Matches 426; Conservative 0; Mismatches 353; Indels 15; Gaps 4;

QY 571 AGGGAGGAGTGTCTCTGGCCACGTTGTTACCTTGGCAGTGACAGCCCTGTGGTCATAGA 630
Db 731 AGTGGCCCTGTCTCTCAGGCTCCCTGTCTCCCTGCACTGTCTGCTCTGGGAGAGC 790

QY 631 AGGGCTACAGCTACGCAATCGTGGTGGAAACATGTCTTCTCTCGCAGTGGCCCTGG 690
Db 791 CTG---AAGACCCCGTGTGGTGGGAGGAGGCTCTGTGGATTCTTGGCCTTGG 847

QY 691 CAGGCAGGCTTCAGTTTCAGGGCTACACCTGTGGGGGGCTCTGTCTATCAGGCCCTG 750
Db 848 CAGGTCAAGTATCAGTACGACAAACAGCAGCTGTGTGGAGGAGCATCTTGGACCCCCAC 907

QY 751 TGGATCATCACTGCTGCACACTGTGTTATGACTTGTACTCTCCCAAGTCAATGGACCATC 810
Db 908 TGGGTCTCTCAGGCAGCCCACTGCTT-----CAGAAACATACCGATGTGTCAACTGG 961

QY 811 CAGGTGGGTCTAGTTTCCCTGTGGCAATCCAGCCCACTCCCACTTGTGGAGAGATT 870
Db 962 AAGTGTGGGAGGCTCAGACAACTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAGATC 1021

QY 871 GTCTACCAAGCAAGTACAAAGCAAGAGGCTGGGCAATGATCGCCCTTATGAAGCTG 930
Db 1022 ATCATCATTTGAATTCAACCCCAATGATACCCCAAGACAAATGATCGCCCTCATGAAGCTG 1081

QY 931 GCCGGGCCACTCAGCTTCAATGAATGATCAGACCTGTGTGCTGCCCAACTCTCAAGAG 990
Db 1082 CAGTTCCCACTCAGTTTCTCAGGCAAGTCAAGCCCACTGTCTGCCCTTCTTTGATGAG 1141

QY 991 AACTTCCCGATGGAAAGTGTGTGGACGTCAAGGATGGG---GGCCACAGAGGATGA 1047
Db 1142 GAGCTCATCTCCAGCACCCCACTCTGGATCATTTGATGGGGCTTTACGAGCAGATGA 1201

QY 1048 GTGTACGCTCCCTGTCTGTGAACCAAGCGCGCTCCCTTTGATTTCAAGATCTGC 1107
Db 1202 GGAAGAGTGTCTGACATATGCTGCAGGCGTCAAGTCCAGGTCAATTGACAGCACAGGTC 1261

QY 1108 AACACAGGAGCTGTACGGTGGCATCATCTCCCTCCATGCTCTGCGCGGCTACCTG 1167
Db 1262 AATGCAGACGATGCGTACAGGGGGAAGTCAACGAGAGATGATGTGTGAGGCAATCCCG 1321

QY 1168 ACGGTGGCGTGCAGAGCTGCGAGGGGACAGCGGGGGCCCTGTGTCAAGAGAG 1227
Db 1322 GAAGGGGTGTGACACCTGCGAGGTGACAGTGTGGGCCCTGTATGTACCAA---TCT 1378

QY 1228 AGGCTGTGAAGTTAGTGGAGCGACAGCTTTGGCATCGGCTGGCGAGAGGTGAACAG 1287
Db 1379 GACCAAGTGGCATGTGTGGGCATCGTTAGCTGGGCTATGGCTGGCGGGGCCCGAGCAC 1438

QY 1288 CCGTGGGTGTACACCGTGTCACTCTCTCCGTAAGTGTGATCCAGCAGCAGATGGAGAG 1347
Db 1439 CAGGAGGTATACCAAGGTCTCAGCCATATCTCAACTGGATCTCAATGTCTGGAAGGCT 1498

QY 1348 GACCTAAACCACTG 1361
Db 1499 GAGCTGTAATGCTG 1512
```

RESULT 5

US-11-102-240-111

; Sequence 111, Application US/11102240

; Publication No. US2005026047A1

; GENERAL INFORMATION:

```
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS
; FILE REFERENCE: P3230R1C106C
; CURRENT APPLICATION NUMBER: US/11/102,240
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: 10/063662
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 10/06867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 60/170262
; PRIOR FILING DATE: 199-12-09
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 111
; LENGTH: 2063
; TYPE: DNA
; ORGANISM: Homo Sapien
US-11-102-240-111
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Query Match      11.7%; Score 159.2; DB 7; Length 2063;
Best Local Similarity 53.7%; Pred. No. 6e-37;
Matches 426; Conservative 0; Mismatches 353; Indels 15; Gaps 4;

QY 571 AGGGAGGAGTGTGCTCTGGCCACGTTGTTACCTTGGCAGTGACAGCCCTGTGGTCATAGA 630
Db 732 AGTGGCCCTGTCTCTCAGGCTCCCTGTCTCCCTGCACTGTCTGCTCTGGGAGAGC 791

QY 631 AGGGCTACAGCTACGCAATCGTGGTGGAAACATGTCTTGTCTCTCGCAGTGGCCCTGG 690
Db 792 CTG---AAGACCCCGTGTGGTGGGAGGAGGCTCTGTGGATTCTTGGCCTTGG 848

QY 691 CAGGCAGGCTTCAGTTTCAGGGCTACACCTGTGGGGGGCTCTGTCTATCAGGCCCTG 750
Db 849 CAGGTCAAGTATCAGTACGACAAACAGCAGCTGTGTGGAGGAGCATCTTGGACCCCCAC 908

QY 751 TGGATCATCACTGCTGCACACTGTGTTATGACTTGTACTCTCCCAAGTCAATGGACCATC 810
Db 909 TGGGTCTCTCAGGCAGCCCACTGCTT-----CAGAAACATACCGATGTGTCAACTGG 962

QY 811 CAGGTGGGTCTAGTTTCCCTGTGTGACAAATCCAGCCCACTCCCACTTGTGTGAGAGATT 870
Db 963 AAGTGTGGGAGGCTCAGACAACTGGGCAGCTTCCCATCCCTGGCTGTGGCCAAGATC 1022

QY 871 GTCTACCAAGCAAGTACAAAGCAAGAGGCTGGGCAATGATCGCCCTTATGAAGCTG 930
Db 1023 ATCATCATTTGAATTCAACCCCAATGATACCCCAAGACAAATGATCGCCCTCATGAAGCTG 1082

QY 931 GCCGGGCCACTCAGCTTCAATGAATGATCAGACCTGTGTGCTGCCCAACTCTGAAGAG 990
Db 1083 CAGTTCCCACTCAGTTTCTCAGGCAAGTCAAGGCCCATCTGTCTGCCCTTCTTTGATGAG 1142

QY 991 AACTTCCCGATGGAAAGTGTGTGGACGTCAAGGATGGG---GGCCACAGAGGATGA 1047
Db 1143 GAGCTCATCTCCAGCACCCCACTCTGGATCATTTGATGGGGCTTTACGAGCAGATGA 1202

QY 1048 GTGTACGCTCCCTGTCTGTGAACCAAGCGGGCGCTCCCTTTGATTTCAAGATCTGC 1107
Db 1203 GGAAGATGTCTGACATATCTGTGTGAGGCGTCAAGTCCAGGTCAATTGACAGCACAGCGTGC 1262

QY 1108 AACACAGGAGCTGTACGGTGGCATCATCTCCCTCCATGCTCTGCGCGGCTACCTG 1167
Db 1263 AATGCAGACGATGCGTACAGGGGGAAGTCAACGAGAGATGATGTGTGAGGCAATCCCG 1322

QY 1168 ACGGTGGCTGGACAGCTGCGAGGGGACAGCGGGGGCCCTGTGTGTCAGAGAGG 1227
Db 1323 GAAGGGGTGTGACACCTGCGAGGTGACAGTGTGGGGCCCTGATGTACCAA---TCT 1379
```

QY 1228 AGGCTGTGGAAGTTAGTGGAGCGACAGCTTTGGCATCGGCTGGCAGAGGTGAACAAG 1287
Db 1380 GACCAAGTGGCATGTGTGGCATCGTTAGCTGGGCTATGGCTGGGGGCCCGAGCACC 1439
QY 1288 CTTGGGGTGTACACCGTGTACCTCTTCTGGACTGATCCAGCAGCAGATGGAGAGA 1347
Db 1440 CCAGGAGTATACACCAAGGTCTCAGCCTATCTCACTGGATCTACAATGTCTGGAAGGCT 1499
QY 1348 GACCTAAACCACTG 1361
Db 1500 GAGCTGTAATGCTG 1513

RESULT 6

US-11-037-243-38
; Sequence 38, Application US/11037243
; Publication No. US20050287546A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERARD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/11/037,243
; PRIOR FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US/09/888,615
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 3387
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-037-243-38

Query Match 11.2%; Score 152.2; DB 7; Length 3387;
Best Local Similarity 53.5%; Pred. No. 8.9e-35;
Matches 388; Conservative 0; Mismatches 328; Indels 9; Gaps 3;
QY 623 GTCAAGAGGGGTACAGCTCAGCTCAGCATCGGATCGGGTGAACAATGCTTCTGCTTCGAGT 682
Db 1691 GGCCTGCAATGGAAGAGCCACCGGGTCTGCGGGGTTTCGAGCTGCTCCGGGGAGG 1750
QY 683 GGCCTGGCAGGCGCAGCTTCAGTTCCAGGGTACACCTGTGCGGGGCTCTGTTCATCA 742
Db 1751 TGCCCTGGCAGGTCAGCTGAGGAAGGGTCCCGGCACTTCTCGGAGCAACTGTGGTGG 1810
QY 743 CGCCCTGTGGATCATCAGCTGCTGCACTGTGTGTTATGACTTGTACTCTCCCAAGTCAT 802
Db 1811 GGGACCGCTGGCTGCTGTCTGCGGCCACTGTCTCAACACACAGAGGTGGAGCGTTC 1870
QY 803 GGAACATCCAGGTGGGTAGTTAGTTTCCCTGT---TGGAACAATCCAGCCCCATCCCACTGG 859
Db 1871 GGGCCCACTGGGCACTCGCTCCCTCTGCGGCTTGGCGGAGCCCGGTGAAGATCGGC 1930
QY 860 TGGAGAAGATTGTCTACAGCAGCAGTACAGCCAAAGAGGCTGGGCAATGACATCGCCC 919
Db 1931 TGGCGGGGTAGTGTCTGCACCCCTCTACAAACCTTGGCATCTTGGACTTGGACTGCTG 1990
QY 920 TTATGAGCTGGCGGGCCACTCAGCTTCAATGAATGATCCAGCTGTGTGCTGCGCCA 979
Db 1991 TCTGGAGCTGGCGAGCCCCCTGGCTTCAACAATATACATCCAGCTGTCTGCTGCCCC 2050
QY 980 ACTCTGAAGAGAACTTCCCGATGGAAAAGTGTCTGGAGCTCAGGATGGGGGCCACAG 1039
Db 2051 TGGCCATCCAGAAGTTCCCTGTGGCGGAGTGCATGATCTCGGATGGGAAATACGC 2110
QY 1040 AGGATGGAGGTGACGCCTCCCTCTGCTGAACACAGCGGGCGTCCCTTTGATTTCCAACA 1099

Db 2111 AGGAAGAAATGCCCAAGCCGAGCTCTCTGCAAGAGCGTCCGTGGCATCATAGACC 2170
QY 1100 AGATCTGCAACACACAGGAGCGTGTACGGTGGCATCATCTCCCCCTCCATGCTCTGGCGG 1159
Db 2171 AGA---AAACCTGTAGTGTCTTACAACTTCTCCCTCACAGACCGCATGATCTGGCAG 2227
QY 1160 GCTACTCAGCGGTGGCGTGTGACAGCTGCGAGGGGAGCAGCGGGGGCCCTGCTGTGTC 1219
Db 2228 GCTTCTGGAAGCAAGTTCGACTCTGCGAGGGTGACTCTGGGGGCCCCCTGGCTGG 2287
QY 1220 AAGAGAGGAGGCTGTGGAAGTTAGTGGAGCGACC---AGCTTTGGCATCGGCTGCGCAG 1276
Db 2288 AGGAGGCCCCCTGGCGTGTATCTGGCAGGGATCGTAGCTGGGGTATTGGCTGGCTC 2347
QY 1277 AGGTGAACAAAGCCTCGGGGTGTACACCCCGTGTCACTCTCTCTGAGCTGGATCCAGAGC 1336
Db 2348 AGGTTAAGAGCGGGCGGTGTACACCGCATCACAGGCTAAAGGGTGGATCTCTGGAGA 2407
QY 1337 AGATG 1341
Db 2408 TCATG 2412

RESULT 7

US-11-182-752-1
; Sequence 1, Application US/11182752
; Publication No. US20050250154A1
; GENERAL INFORMATION:
; APPLICANT: Gan, weiniu et al.
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001194DIVII
; CURRENT APPLICATION NUMBER: US/11/182,752
; CURRENT FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1615
; TYPE: DNA
; ORGANISM: HUMAN
US-11-182-752-1

Query Match 10.5%; Score 143; DB 7; Length 1615;
Best Local Similarity 51.8%; Pred. No. 3.4e-32;
Matches 422; Conservative 0; Mismatches 360; Indels 33; Gaps 3;
QY 580 TGTGCTCTGGCCACGCTGTTACCTTGTGAGTGCAGCTGTGCTCATAGAGGGGCTAC 639
Db 472 TGCCCCAGAGGGCGTTTCTTGGCCGCATCTGCAAGACTGTGGCCGCGAGAAAGCTGCC 531
QY 640 AGCTACGGATGTGGTGGGAACATGTCTTGTCTCTCGAGTGGCCCTGGCAGGCCAGC 699
Db 532 GTGGACCGCATCTGTGGAGGCGCGGACACAGCTTGGGCGGTGGCGTGGCAAGTCAGC 591
QY 700 CTTCACTTCAGGCTACCACTGTGCGGGGCTCTGTATCACGCGCTCTGTGGATCATC 759
Db 592 CTTTCGTATGATGAGACACACTCTGTGGGGATCCTGTCTCTCGGGGACTGGGTCTG 651
QY 760 ACTGCTGCACACTGTGTTTATGACTTGTACTCTCCCAAGTC---ATGGACCATCCAGGTG 816
Db 652 ACAGCGCCCACTGCTTCCGGAGCGGACCGGGTCTGTCCGATGGCGAGTGTGTTGCC 711
QY 817 GGTCTAGTTTCTCTGTGGACAATCCAGCCCCATCCCACTTGTGTGGAAGATGTCTAC 876
Db 712 GGTGCCGTGGCCAGAGCCTCTCCCCACGGTCTGCAGCTGGGGGTGCGAGGCTGTGCTAC 771
QY 877 CACAGCAAGTA-----CAAGCCAAAGAGGCTGGGCAATGACATCGCC 918
Db 772 CACGGGGCTATCTTCTCCCTTTTCGGAGCCCCCAACAGCGAGGAGAACAGCATATTGCC 831
QY 919 CTTATGAGCTGGCGGGCCACTCACGTTCAATGAATATCCAGCCTGTGTGCTGCC 978

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Db      832 CTGGTCCACCTCTCAGTCCCTCGCCCTCACAGATATACATCCAGCCTGTGTGCTCCCA 891
Qy      979 AACTCTGAAGAGAACTTCCCCGATGGAAGAGTGTGTGAGCTCAGGATGGGGGCCACA 1038
Db      892 GCTGCGGCCAGGCCCTGTGTGATGGCAAGATCTGTACCGTGACGGCTGGGGCAACACG 951
Qy     1039 GAGGATGAGGTGAGCCCTCCCTCTCTGAACCAAGCGCGCGTCCCTTTGATTTCCAAAC 1098
Db     952 CAGTACTATGGCCAAACAGCCCGGGTACTCCAGGAGGCTCGAGTCCCATATACGAAT 1011
Qy     1099 AAGATCTGCAACACACAGGAGCCTGTACCGTGGCCTATCTCCCTCCATGTCTGTGCGG 1158
Db    1012 GATGTCTGCAATGGCGCTGACTTCTATGGAACCAAGATCAAGCCCAAGATGTTCTGTGT 1071
Qy    1159 GGCTACCTGACGGGTGGGTGAGACGTGCGAGGGGAGAGCGGGGGCCCTGTGTGTGT 1218
Db    1072 GGCTACCCCGAGGGTGGCAATGATGCTTGCAGGGGCGACAGGGTGTGCTCCCTTTGTGT 1131
Qy    1219 CAAGA-----GAGGAGGCTGTGGAAGTTAGTGGAGCGACAGCTTTGGCATC 1266
Db    1132 GAGGACAGCATCTCTCGGACGCCACGTTGGCGGCTGTGTGCAATTTGTGAGTTGGGCGACT 1191
Qy    1267 GGCTCGGACAGGTGAACAAGCTCGGGTGTACCCGCTGTACCCGCTGTGCTCTGTGACTGG 1326
Db    1192 GGCTGTGCTGCGCCAGGAGCAGCGGTCTACCAAGAGTCAAGAGTCAAGTCAAGTCAAGTGG 1251
Qy    1327 ATCCAGAGCAGATGGAGAGACCTTAAACCTG 1361
Db    1252 ATCTTCCAGGCCATAAAGACTCACTCCGAAGCCAG 1286
```

RESULT 8

US-11-112-908-14
; Sequence 14, Application US/11112908
; Publication No. US20050260659A1

GENERAL INFORMATION:

; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 14
; LENGTH: 1783
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-14

Query Match 10.5%; Score 143; DB 7; Length 1783;

Best Local Similarity 51.8%; Pred. No. 3,5e-32;

Matches 422; Conservative 0; Mismatches 360; Indels 33; Gaps 3;

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Qy     580 TGTGCTCTGGCCAGCTGTGTACCTTGCAGTGCACAGCCTGTGTGTCATAGAGGGGCTAC 639
Db     663 TGCCCCAGAGGCGGTTCTTGGCCGCATCTGCCAAGACTGTGGCGGAGGAAGTGGCC 722
Qy     640 AGCTCAGCATCGTGGTGGAAACATGCTTGTCTGCTGCGAGTGGCCCTGGCAGGCCAGC 699
Db     723 GTGACCGCATCTGGGAGGCGGGACACAGCTTTGGGCGGTGGCCGTGGCAAGTCAGC 782
Qy     700 CTTCAAGTTCAGGGCTTACCACCTGTGCGGGGCTGTGTCATCACGCCCTGTGGATCATC 759
```

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Db      783 CTTCGTATGATGGAGCACACCTCTGTGGGGATCCCTGCTCTCCGGGAGACTGGGTGCTG 842
Qy     760 ACTGCTGACACTGTGTTTATGACTTGTACTCTCCCAAGTC---ATGACCATCCAGGTG 816
Db     843 ACAGCCGCCACTGCTTCCCGAGCGGAACCGGGTCTGTCCCGATGCGAGTGTTCGCC 902
Qy     817 GGTCTAGTTCCTCTGTTGGACAAATCCAGCCCATCCCACTTTGGTGGAGAAAGATTGCTTAC 876
Db     903 GGTCCGTGGGCCAGGCCCTCTCCCAAGCTGTGCAAGTGTGGGGGTGACGGCTGTGCTTAC 962
Qy     877 CACAGCAAGTA-----CAAGCCAAAGAGCTGGGCAATGACATCGCC 918
Db     963 CAGGGGGCTATCTTCCCTTTTCGGGACCCCAACAGCAGGAGAGAACAGCAACGATATTGCC 1022
Qy     919 CTTATGAGCTGGCGGGCCACTCAGCTTCAATGAAATGATCCAGCCTGTGTGCTGCCCC 978
Db    1023 CTGCTCCACCTCTCCAGTCCCTCGCCCTCAGAAATACATCCAGCCTGTGTGCTCCCA 1082
Qy     979 AACTCTGAAGAGAACTTCCCGATGGAAAAGTGTGCTGAGCTCAGGATGGGGGGCCACA 1038
Db    1083 GCTCGGCCAGGCCCTGTGTGATGGCAAGATCTGTACCGTGACGGGTGGGGCAACAG 1142
Qy    1039 GAGGATGAGGTGAGCGCTCCCTGTCTGAACCAAGCGGCGCTCCCTTTGATTTCCAAAC 1098
Db    1143 CAGTACTATGCCCAACAGCGCGGGTACTCTCAGGAGGCTCGAGTCCCATATCAGCAAT 1202
Qy    1099 AAGATCTGCAACCAACAGGAGAGTGTACCGTGGCATCATCTCCCTCCATGCTGTGCGGG 1158
Db    1203 GATGTCTGCAATGGCGCTGACTTCTATGAAAACCAAGATCAAGCCCAAGATGTTCTGTGCT 1262
Qy    1159 GGCTACCTGACGGGTGGGTGGACAGCTGCCAGGGGGACAGCGGGGGCCCTGTGTGTGT 1218
Db    1263 GGCTACCCCGAGGGTGGCATTTGATGCTTCCAGGGCGACAGCGGTGTGCTTGTGTGT 1322
Qy    1219 CAAGA-----GAGGAGGCTGTGGAAGTTAGTGGAGCGACAGCTTTGGCATC 1266
Db    1323 GAGGACAGCATCTCTCGGACGCCAGCTTGGCGGCTGTGTGCAATTTGAGTTGGGGCACT 1382
Qy    1267 GGCTGCGCAGAGGTGAACAAGCTGGGGTGTACACCCGTGTACCTCTCTCTGAGACTGG 1326
Db    1383 GGCTGTGCTTGGCCCGAGAGCCAGGCGCTTACACCAAAAGTCAGTGACTTCCGGGAGTGG 1442
Qy    1327 ATCCAGCAGCAGATGGAGAGACCTTAAACCTG 1361
Db    1443 ATCTTCAGGCCATAAAGACTCACTCCGAAGCCAG 1477
```

RESULT 9

US-11-000-688-380

; Sequence 380, Application US/11000688

; Publication No. US20050287544A1

GENERAL INFORMATION:

; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 380
; LENGTH: 1783
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1783)
; OTHER INFORMATION: hepsin (transmembrane protease, serine

; OTHER INFORMATION: 1) (HPN) gene.
US-11-000-688-380

Query Match 10.5%; Score 143; DB 7; Length 1783;
Best Local Similarity 51.8%; Pred. No. 3.5e-32;
Matches 422; Conservative 0; Mismatches 360; Indels 3

Qy	580	TGTCGCTCTGCGCCACGCTGGTTTACTCTTGCACTGCACAGCCTGTGGTCTATAGAGGGGCTAC	639
Db	663	TGCCCCAGAGGCCGTTTCTTTGGCCGCCATCTGCAAGACTGTGTCGCGAGGAAGCTGCC	722
Qy	640	AGCTCAGCATCGTGGGTGGAACATGTCTTGCTCTCGCAGTGGCCCTGGCAGGCCAGC	699
Db	723	GTGGAACCGCATCGTGGGAGCCGGGACACAGCTTGGGCCGGTGGCCGTGGCAGTCAAG	782
Qy	700	CTTTCAGTTCCAGGGCTACACCTGTGGGGGGCTGTCTATCATCAGCCCCCTGTGGATCATC	759
Db	783	CTTTCGCTATGATGGAGCACACCTCTGTGGGGGATCCCTGCTCTCCGGGGAAGTGGGTGCTG	842
Qy	760	ACTGCTGCACACTGTGTTTATGACTTGTACTCTCCCAAGTCTCTCCCAAGTCTCTCCAGGTG	816
Db	843	ACAGCGCCCACTGTCTTCCGGAGGGAACCGGGTCTGTCTCCGATGGCGAGTGTGTC	902
Qy	817	GGTCTAGTTTCCCTGTGTGGAACAATCCAGCCCCCATCCACTTGTGTGGAGAAGATTGTCTAC	876
Db	903	GGTGGCTGTGCCCAAGGCTCTCCCAACGGTCTGCAGCTGGGGGTGCAGGCTGTGTGCTTAC	962
Qy	877	CACAGCAAGTA-----CAAGCCAAAGAGCTGGGCAATGATCATCGCC	918
Db	963	CACGGGGCTATCTTCTCTTTTGGGACCCCAACAGGAGGAGAACACGATATTGTC	1022
Qy	919	CTTATGAAGCTGGCGGGCCACTCACGTTCAATGAATGATCCAGCCTGTGTGCTTGCCTGCC	978
Db	1023	CTGGTCAACTCTCCAGTCCCTGCCCTCACAGATACATCCAGCCTGTGTGCTTCCCA	1082
Qy	979	AACCTGAAGAGAACTTCCCGATGGAAAAAGTGTGTGAGAGTCAAGATGGGGGGCCACA	1038
Db	1083	GCTGCGCGCAGGCCCTGGTGGATGGCAAGATCTGTACCGTGACGGGCTGGGGCAACAG	1142
Qy	1039	GAGATGGAGGTGAGCCCTCCCTGTCTCTGAAACACGGGGCGCTCCCTTTGATTTCCAAC	1098
Db	1143	CAGTACTATGGCCAACAGGCGGGGTACTCCAGAGGCTCGAGTCCCAATAATCAGCAAT	1202
Qy	1099	AAGATCTGCAACCAACAGGACGTTGACGTTGGGATCATCTCCCCCTCCATGCTCTGCGCG	1158
Db	1203	GATGTCTGCAATGGCGCTGACTCTATGAAAAACAGATCAAGCCCAAGATGTTCTGTGCT	1262
Qy	1159	GGCTACTGACGGGTGCGTGGACAGCTGCGCAGGGGACAGCGGGGGGGCCCCCTGTGTGTGT	1218
Db	1263	GGCTACCCCGAGGGTGGCAATTGATGCTTGCAGGGCGACAGCGTGTGCTTGTGTGTGT	1322
Qy	1219	CAAGA-----GAGGAGGCTGTGGAAGTTAGTGGGAGCGACAGCTTTGGCATC	1266
Db	1323	GAGGACAGCATCTCTCGGACGCCACGTTTGGCGGCTGTGTGGCATTTGTAGTTTGGGGCACT	1382
Qy	1267	GGCTTGGCAGAGGTGAACAAGCCTGGGGGTGTACACCGGTGTCACTCTTCTCTGGAGCTGG	1326
Db	1383	GGCTGTGCCCTGGCCACAGACCGAGGCGTCTTACACCAAGTCACTAGTGACTTCCGGGAGTGG	1442
Qy	1327	ATCACGAGCAGATGGGAGAGAGACTTAAACCTTG	1361
Db	1443	ATCTTCAGGGCATAAAGACTCACTCCGAAGCCAG	1477

RESULT 10
US-11-056-621-5
; Sequence 5, Application US/11056621
; Publication No. US20050262592A1
; GENERAL INFORMATION:
; APPLICANT: Spencer, David
; APPLICANT: Dickey, Lynn F.
; APPLICANT: Gasdaska, John R.
; APPLICANT: Wang, Xiaowei

```

; APPLICANT: Cox, Kevin M.
; APPLICANT: Peele, Charles G.
; TITLE OF INVENTION: EXPRESSION OF PLASMINOGEN AND
; TITLE OF INVENTION: MICROPLASMINOGEN IN DUCKWEED
; FILE REFERENCE: 40989/274646
; CURRENT APPLICATION NUMBER: US/11/056,621
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: US 60/543,487
; PRIOR FILING DATE: 2004-02-11
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 780
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Duckweed codon optimized sequ
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(780)
; US-11-056-621-5

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Query Match	10.0%;	Score 136.6;	DB 7;	Length 780;
Best Local Similarity	53.9%;	Pred. No. 1.9e-30;		
Matches 377;	Conservative	0;	Mismatches 304;	Indels 18; Gaps 4;
QY	646	CGCATCGTGGGTGGAAACATGCTCTGCTCGCAGTGGCCCTGGCAGGCGCAGCTTCAG	705	
Db	85	CGGTGTGCGAGGGTGGTGGCCACCCGCACTCTGGCCCTTGGCAAGTCAGCCTGGC	144	
QY	706	TTCC---AGGGCTACCACTGTGCGGGGCTCTGTTCATCACGCCCTCTGTGGATCATCACT	762	
Db	145	ACCGCTTCGGCATGACTTCGCGGGCGCACCTCATCTCCCGGAGTGGGTTCGACC	204	
QY	763	GCTGCACTGTGTTATGACTTGTACTCCCAAGTCATGAGCACTCCAGGTGGGTCTA	822	
Db	205	GCGCTCACTGCTCGAGAAATC-----CCCGAGGCCCTCTCTCAAGGTCATCCTG	258	
QY	823	GTTTCCCTGTTGACAAATCCAGGCCCATCCACTTGGTGGAGAAGATTGCTACCAAGC	882	
Db	259	GGGCGCCACCGAGAGGTGAACCTCGAGCCGCACGTTCCAGGAGTCGAGGTGTCCCGTTG	318	
QY	883	AAGTACAGCCAAAGAGGCTGGCCATGACATCGCCCTTATGAAGCTGGCGGGCCACTC	942	
Db	319	TTCTGTGAGGCCA-----CGCGCAAGATATCGCCCTGCTCAAGCTCTCTAGCCCGGCC	372	
QY	943	ACGTTCAATGAATGATCGACGCTGTGTGCTGCCCCTAACTCTGAAGAGAACTTCCCGAT	1002	
Db	373	GTCATCCAGCAAGGTTATCCGGCCCTGCTTCCCTCCCGAACTACGTGGTCGCTGAC	432	
QY	1003	GGAAAGTGTGCTGGACGTGAGATGGGGGGCCACAGAGATGAGGTGAGCTTCCCT	1062	
Db	433	CGCACCGAGTCTTCGTTACCGGTGGGGCGAGACCAG---GGAACTTCGGCGCGGGC	489	
QY	1063	GTCCTGAACACACGGGGCGCTCCCTTTGATTTCCAAAGATCTGCACCAACAGGAGCTG	1122	
Db	490	CTCCTCAAGAGGCCACAGCTCCCGGTGATTTGAGAACAAAGGTGTGCAACCGTTACAGTTC	549	
QY	1123	TACGGTGGCATCATCTCCCTCCATCTGTGCGCGGGCTACCTGACGGGTGGGTGGAC	1182	
Db	550	CTGAACGGGCGCTCCAGTCCACCGAATCTGCGCCGGGCACCTTGGCCGGCGGACCGAC	609	
QY	1183	AGCTGCCAGGGGGACAGCGGGGGCCCTGTGTGTCAAGAGGAGGCTGTGGAAGTTA	1242	
Db	610	AGCTGCCACGGCGACAGCGGGGGCCGTGTGTGTCTCGNAGAGGACAGTACATCCTC	669	
QY	1243	GTGGGAGCGACAGCTTTGGCATCGGCTGGCGCAGAGGTGAACAAGCTGGGGGTATACAC	1302	
Db	670	CAAGGCGTCAGTCTTGGGCTCTGGCTGGCGACGCCCTAACAGCGGGCGTCTATGTG	729	
QY	1303	CGTGTCACTCTCTTCTGGAACTGGAATCCAGAGCAGATG	1341	

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Db 730 CGCGTGTCCGCTTCGTGACCTGGATCGAGGGCGTGATG 768

RESULT 11
US-11-056-621-3
; Sequence 3, Application US/11056621
; Publication No. US20050262592A1
; GENERAL INFORMATION:
; APPLICANT: Spencer, David
; APPLICANT: Dickey, Lynn F.
; APPLICANT: Gasdaska, John R.
; APPLICANT: Wang, Xiaowei
; APPLICANT: Cox, Kevin M.
; APPLICANT: Peele, Charles G.
; TITLE OF INVENTION: EXPRESSION OF PLASMINOGEN AND
; FILE REFERENCE: MICROPLASMINOGEN IN DUCKWEED
; CURRENT APPLICATION NUMBER: 40989/274646
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: US/11/056,621
; PRIOR FILING DATE: 2004-02-11
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2376
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Duckweed codon optimized sequence encoding human
; plasmidogen
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(2376)
US-11-056-621-3

Query Match 10.0%; Score 136.6; DB 7; Length 2376;
Best Local Similarity 53.9%; Pred. No. 3.2e-30;
Matches 377; Conservative 0; Mismatches 304; Indels 18; Gaps 4;

QY 646 CGCATCGTGGTGGAAACATGCTTGTCTCGCAGTGGCCCTGGCAGGCCAGCCTTCAG 705
Db 1681 CGCGTGGTCGAGGGTGGCGGCCACCGCAGCTCTGGCCCTGGCAAGTCAGCCTGC 1740
QY 706 TTCC---AGGGTACACCTGTGGGGGCTCTGTATCAGCCCTCTGGATCATCACT 762
Db 1741 ACCCGCTTGGCATGCACTTCTGCGCGCGCACCTCATCTCCCGAGTGGGTTCGACC 1800
QY 763 GCTGCACACTGTGTTTATGACTTGTACCTCCCAAGTCATGACCATCCAGTGGGTCTA 822
Db 1801 GCGGTCACTGCTCGAAGTCTC-----CCGAGGCCCTCTCTCAAGTCACTCTG 1854
QY 823 GTTCCCTGTTGGACAATCCAGCCCATCCCACTTGGTGGAGAAGATTGTCTACACAGC 882
Db 1855 GCGCCCAACAGAGGTGAACCTCGAGCGCAGCTTCAAGAGATCGAGGTGTCGCGTTG 1914
QY 883 AAGTACAGCCAAAGAGGTGGGCAATGACATCGCCCTTATGAAGCTGGCGGGCCTC 942
Db 1915 TTCTCGAGGCCA-----CGGCAAGGATATCGCCTGCTCAAGCTCTCTAGCCCGGCC 1968
QY 943 AGCTTCAATGAATGATCAGCGCTGTGCTGCGCCCACTCTGAAGAGAACTTCCCGCAT 1002
Db 1969 GTCATACCGCAAGGTTATCCGGCTGCTTCCCTCCCGCACTATCGTGTCTGCTGAC 2028
QY 1003 GGAAAGTGTCTGGACGTGAGGATGGGGGCGCACAGAGGATGGAGGTGACGCTCCCT 1062
Db 2029 CGCACCAGTGTCTGTTACCGCTGGGGCGAGACCCAG---GGAAGTTTGGCGCGGCG 2085
QY 1063 GTCTTAACCAACCGCGCTCTTGTATTCCAAAGATCTGCAACCAAGGACGTG 1122
Db 2086 CTCCTCAAGGAGGCCAGCTCCCGGTGATTGAGAAACAAAGGTGTGAACCGTTACAGTTC 2145
QY 1123 TACGGTGGCATCATCTCCCGCTCCATGCTCTCGCGGGGTACTCTGACGGGTGGCGT 1182

Db 2146 CTGAACGGCGCGTCCAGTCCACCGAACTCTGCGCGGCGCACTTGGCGGGCGCACCGAC 2205
QY 1183 AGCTGCCAGGGGACAGCGGGGCGCCCTGCTGTGTCTCAAGAGAGAGAGCTGTGGAGTTA 1242
Db 2206 AGCTGCCAGGGGACAGCGGGGCGCGCTGCTGTGTCTTCGAGAGGACAAAGTACATCTTC 2265
QY 1243 GTGGAGCGACGAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCCTGGGGTGTACACC 1302
Db 2266 CAAGGCGTCAGTCTCTGGGGCTCGGCTGCGCAGCCCTAACAAAGCGGGGCTCTATGTG 2325
QY 1303 CGTGTACCTCTCTCTCGATCGATCGATCCAGCAGATG 1341
Db 2326 CGCGTGTCCGCTTCGTGACCTGATCGATCGAGGGCGTGATG 2364

RESULT 12
US-11-136-527-2102
; Sequence 2102, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2102
; LENGTH: 2596
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-2102

Query Match 9.5%; Score 128.8; DB 7; Length 2596;
Best Local Similarity 51.9%; Pred. No. 6.7e-28;
Matches 373; Conservative 0; Mismatches 327; Indels 18; Gaps 3;

QY 644 CACGATCGTGGTGGAAACATGCTTGTCTCTCGCAGTGGCCCTGGCAGGCCAGCCTTC 703
Db 1333 CACGTATTGTGGAGGAACAACTCTTCTTAGGAGAGTGGCCATGGCAGGTGAGCCTGC 1392
QY 704 AGTTCAG-----GGCTACCACTGTGGGGGGCTCTGTATCAGCCCTGTGGA 754
Db 1393 AAGTGAAGTTGGTTCCTCAGAACCATATGTGTGGAGGGTCCATCATTTGAGCCCAATGGA 1452
QY 755 TCATCAGTGTGCACACTGTGTTATGACTTGTACTCCCAAGTCATGGACCATCCAGG 814
Db 1453 TACTGACGGCTGCCCATTTGCTTTGATGGATTCCTATCCAGACGTGTGGCGTATATG 1512
QY 815 TGGGTCTAGTTTCCCTGTGGACAATCCAGCCCATCCCACTTGG-----TGGAGAGA 868
Db 1513 GCGGATTCTTAATCTGTGACAGATTACAAACAAACGCTTCTCAAGTATAAAGGAGC 1572
QY 869 TTGTCTACACAGCAAGTACAAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAGC 928
Db 1573 TTATTATTATCATCAGAAATACAAAATGTGCAAGGAGGATGATGATATGCTTTAATAAAGC 1632
QY 929 TGGCCGGGCCACTCAGCTTCAATGAATGATCCAGCCTGTGCTGCTGCCCACTCTGAAG 988
Db 1633 TTCAGACACCGTTGAAATTATCTGAAATTCAAAACCAATATGCTGCTTCCCAAGCTG 1692
QY 989 AGAAGTCTCCCGATGAAAAGTGTCTGGACGTTCAGGATGGGGGCGCACAGAGGTGAG 1048
Db 1693 ACACAAATACAAATTTATACCAACTCTCTGGGTGACTGGATGGGGCTACACAAAGGAAACGAG 1752
QY 1049 GTGAGCCTCCCTGCTCTGAAACAGCGGGCGCTCCCTTGTATTTCACACAGATCTGCA 1108
Db 1753 GTGAGACCCAAATATTTCTACAAAAGGCAACTATTTCCCTTGGTACCAATGAAGAAATGCC 1812
QY 1109 ACCACAGGAGCGTGTACGGTGGCATCATCTCCCGCTCCATGCTCTGCGCGGGCTACCTGA 1168
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Db	1813	AGAAAAATATAGATTATG---TTATTAACCAAGCAGATGATCTGTGCTGCTACAAG	1869
Qy	1169	CGGTGGCTGTGACAGCTCCAGGGGACAGCGGGGGCCCTGGTGTGTCAGAGGA	1228
Db	1870	AAGGTGGAATAGATGCTTGAAGGGAGATTCCGGTGGCCCTTAGTTTGCACAACTAGTG	1929
Qy	1229	GCCTGTGAAGTGTAGTGGGAGCGACAGCTTTGGCATCGCTGCGCAGAGGTGAACAAGC	1288
Db	1930	GAAGGTGGCAGTGTGGTGGTATCACCGCTGGGTGAAGCTGTGCCCGCAAGGACAC	1989
Qy	1289	CTGGGGTGTACACCCCGTGCACCTCTCTCTGAGCTGGATCCACGAGCAGATGGAGAG	1346
Db	1990	CAGGAGTCTACACCAAGTTGCTGAGTACATTGACTGGATATTGGAGAGATACAGAG	2047
RESULT 13			
US-10-995-561-19			
; Sequence 19, Application US/10995561			
; Publication No. US20050272054A1			
; GENERAL INFORMATION:			
; APPLICANT: CARGILL, Michele et al.			
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH			
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF			
; TITLE OF INVENTION: DETECTION AND USES THEREOF			
; FILE REFERENCE: CL001559			
; CURRENT APPLICATION NUMBER: US/10/995,561			
; CURRENT FILING DATE: 2004-11-24			
; NUMBER OF SEQ ID NOS: 85702			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 19			
; LENGTH: 2716			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-995-561-19			
Query Match 9.4%; Score 127.6; DB 6; Length 2716;			
Best Local Similarity 51.2%; Pred. No. 1.6e-27;			
Matches 370; Conservative 5; Mismatches 329; Indels 18; Gaps 3;			
Qy	640	AGCTACGCATCGTGGGTGGAACATGCTCTGCTCGCAGTGGCCCTGGCAGGCCAGC	699
Db	1692	AGCACAGCATTTGTGGAGGAACAACTCTCTTGTGGGAGAGTRGCCCTGGVAGGTGAGC	1751
Qy	700	CTTCAGTTCAGG-----GCTACGACCTGTGGGGGCTCTGTCTATCATCGCCCTG	750
Db	1752	CTGCAGTGAAGCTGACAGCTCAGAGGCACCTGTGTGGAGGCTCACTCATAGGACACCA	1811
Qy	751	TGATCATCACTGCTGCACACTGTTTATGACTGTACTCCCAAGTCATCGACCATC	810
Db	1812	TGGGTCTCACTGCTGCCACTGCTTTGATGGGCTTCCCTGCMGGATGTTTGGCGATC	1871
Qy	811	CAGGTGGTCTAGTTTCCCTGTTGGCAATCCA-----GCCCATCCCACTTTGGTGGAG	864
Db	1872	TATAGTGGCATTTTAATCTGTGACATTTACAAAGATACACTTCTCACAAATAAAA	1931
Qy	865	AAGATTGTCTACACAGCAAGTACAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATG	924
Db	1932	GAGATTATTATTACCAAAATCTAAAGTCTCAGAAGGGAATCATGATATCGCCTTGATA	1991
Qy	925	AAGCTGGCCGGGCACCTCAGCTTCATGAATGATCCAGCTGTGTGCTGCCCAACTCT	984
Db	1992	AAACTCCAGGCTCTTTGAATTAACATGAATTCAAAATACAAATATGCTTACCTTCCAAA	2051
Qy	985	GAAGAGAACTTCCCGATGAAAAAGTGTGCTGGACGTGAGGATGGGGGCCACAGAGGAT	1044
Db	2052	GGTGACACAGCAATTTATACCACTGTGGTAAACCGATGGGGCTTCTCGAAGGAG	2111
Qy	1045	GGAGGTGACGCTCCCTGCTCTGAACCAACGCGCGCGTCCCTTTGATTTTCAACAGATC	1104
Db	2112	AAAGGTGAATCCAAATATTTTACAAAAGGTAAATATTCCTTTGGTAAACAAATGAAGA	2171
Qy	1105	TGCACCAAGGAGCTGTAGGTGGCATCATCTCCCTCCATCTCTCGCGGGGTAC	1164
Query Match 9.2%; Score 125.6; DB 7; Length 1737;			
Best Local Similarity 51.9%; Pred. No. 5e-27;			
Matches 374; Conservative 0; Mismatches 319; Indels 27; Gaps 3;			
Qy	646	CGCATCTGGTGGAAACATGCTCTGCTCTCGCAGTGGCCCTGGCAGGCCAGCCTTCAG	705
Db	214	CGCATCTGGGGGCGAGCGCGCGCGCGGCTGGCCCTGGCTGGTGGAGGCTGCAG	273
Qy	706	TTCCAGGGCTACCACTGTGGGGGGCTCTGTCTATCACGCCCCCTGTGGATCATCTGCT	765
Db	274	CTCGGGGCGAGCCTCTGTGGGGGGCTCTGTGTAGCGGCTCTCTGGGTGCTCACGGCA	333
Qy	766	GCACACTGTGTTTATGACTGTGACCTCCCAAGTCAATGACCATCCAGGTGGGTCTAGTT	825
Db	334	GGCACTGTCTTGTAGGCTGCCGCTCGACCGCGCGGCCCGGAAATGAGCTTCTGTGGACT	393
Qy	826	TCCTGTTGGACATCCAGCCCCATCCCACTTGTGTGAGAG-----ATT	870
Db	394	GTGACCTCTGGCAGAGGGGTCCCGGGGAGCAAGCGGAGGAGGTGCCAGTGAACCGCATC	453
Qy	871	GTCTACACAGCAAGTACAAGCCAAAGAGGCTGGCAATGACATCGCCCTTATGAAGCTG	930
Db	454	CTGCCCAACCCCAAGTTTGTACCGCGGACCTTCCACACGACCTGGCCCTGGTGCAGCTG	513
Qy	931	GCCTGGCCCACTCACTGTTCAATGAATGATCCAGCCTGTGTGCTGCGCCAACTCTGAAGAG	990

Db 514 TGGAGCCCGGTGAGCCCGGGGGATCGGCGCGCCCGTGTGCTGCTGCCCCCAGGAGCCCCAG 573
Qy 991 AACTTCCCGATGGAATAAGTGTCTGGACGTTCAGGATGGGGGCCACACAGAGATGGAGGT 1050
Db 574 GAGCCCCCTGCGCGAACCCTGCGCCATTCGCGGGCTGGGGCGCCCTCTTCGAAGACGGG 633
Qy 1051 GACGCTCCCTGTCTGTAACACAGCGGCGCTCCCTTTGATTTCAAACAAGATCTGCAAC 1110
Db 634 CTGAGGCTGAAGCAGTGAAGAGCCCGTGTTCCTCTCAGACCGACACTG---C 690
Qy 1111 CACAGGACGTGTACGTTGGCATCATCTCCCTCCATGCTCTGCGCGGCTACCTGACG 1170
Db 691 CCAAGAGCCCTGGGGCCCGGCTGCGCCACCATGCTCTGCGCGGGTACCTGGCG 750
Qy 1171 GGTGGGTGAGACGTGCCCCAGGGGACAGCGGGGGCCCTGGTGTGTCAAGAGGAGG 1230
Db 751 GGGGGCGTTGACTCGTGTGCGAGGGTGACTCGGGAGGCCCTGACCTGTTCTGAGCCTGGC 810
Qy 1231 CTGTG-----GAAGTTAGTGGGAGCGACAGCTTTGGCATCGGCTGCGCAGAGGTG 1281
Db 811 CCCCCCCTAGAGAGTCTCTGTTGAGTCACTCTCTGGGGGACGGCTGCGGGAGCCA 870
Qy 1282 AACAAGCCTGGGTGTACACCGTGTACCTCTCTCTGGACTGGATCCACGAGCAGATG 1341
Db 871 GGGAGCCCGGGTCTACACCCGCGTGGCAGTGTTCAGGACTGGGCTCCAGGAGCAGATG 930

RESULT 15

US-10-775-169-190
; Sequence 190, Application US/10775169
; Publication No. US20050287532A9
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Burczynski, Michael
; APPLICANT: Twine, Natalie
; APPLICANT: Dörner, Andrew
; APPLICANT: Trepicchio, William
; TITLE OF INVENTION: Method for Monitoring Drug Activities In Vivo
; FILE REFERENCE: AM101080 (031896-013000)
; CURRENT APPLICATION NUMBER: US/10/775,169
; CURRENT FILING DATE: 2004-02-11
; NUMBER OF SEQ ID NOS: 5278
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 190
; LENGTH: 902
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-169-190

Query Match 8.6%; Score 117.4; DB 6; Length 902;
Best Local Similarity 50.1%; Pred. No. 9.8e-25;
Matches 351; Conservative 0; Mismatches 341; Indels 9; Gaps 2;
Qy 629 GAAGGGCTACAGCTCAGCATCGTGGGTGGAATAATGTCCTTGCTCTCGCAGTGGCCCT 688
Db 56 GCAGCTCTTTGGGACCCAGATCATCGGGGCGGGAGGTGATCCCCACTCGGCCCGT 115
Qy 689 GGCAGGCCAGCCTTCAAGTTCAGGGCTACCACTGTGGGGGGCTCTGTTCATCAGCCCC 748
Db 116 ACATGGCCTCACTGCAGAGAAATGGCTCCCACTGTGCGGGGTGTCTGGTGCACCAA 175
Qy 749 TGTGATCATCATCTGTCGACACTGTTTATGACTTGTACCTCCCAAGTATGAGCA 808
Db 176 AGTGGGTGTGACGGCTGCCCTGCTGCGCCACGGATGGCCC-----AGCTGAGGC 229
Qy 809 TCCAGGTGGGTCTAGTTTCTGTTGGCAATCCAGCCCCATCCCACTTTGGTGGAGAGA 868
Db 230 TGGTGTGGGGTTCACACCCCTGGACAGCCCGGTCTACCTTCACATCAAGGGAGCCA 289
Qy 869 TTGTCTTACCAAGCAAGTACAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGC 928
Db 290 TCCAGCACCTCGCTACAAGCCCGCTCCCTGCGCTGGAGAACGACCTCGGCTGCTTCAGC 349

Qy 929 TGGCCGGGCCACTCAGCTTCAATGAATGATTCAGCCTGTGTGCTGCTGCCCAACTCTGAAG 988
Db 350 TGGACGGGAAAGTGAAGCCAGCCGACCATCCGGCCGTGGCCCTGCCAGTAAGCGCC 409
Qy 989 AGAACTTCCCCGATGGAATAAGTGTCTGGACGTTCAGGATGGGGGGCCACAGAGGATGAG 1048
Db 410 AGGTGGTGGCAGCAGGGACTCGGTGCAGCATGGCGGCTGGGGGCTGACCCACACAGGGCG 469
Qy 1049 GTGAGCCCTCCCTGTCTCTGAACACAGCGGGCGCTCCCTTTGATTTCCAAAGATCTGCA 1108
Db 470 GCGCCTGTCCCGGGTGTCTGCGGGAGCTGSGACCTCAAAGTGTGGACACCCCGCATGTGTA 529
Qy 1109 ACCACAGGAGCGTGTACGGTGGCATCATCTCCCTCCATGCTCTGCGGGGCTACCTGA 1168
Db 530 ACAACAGCCGCTTCTGGAAACGGCAGCTCTCTCCCCAGCATGGTCTGCTGGGGCGGACT 589
Qy 1169 CGGTGGCGTGGACACAGCTGCCAGGGGACAGCGGGGGCCCTTGTTGTGTCAAGAGAGA 1228
Db 590 CCAAGGACCAAGCTCCCTGCAAGGGTGACTCGGGGGGGCCCTGGTGTGGCAAGGGCC 649
Qy 1229 GGCTGTGGAAGTTAGTGGGAGGACAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGC 1288
Db 650 GGGTGTGGCGGGAGTCTGTCTTCAGCT---CCAGGGTCTGCACTGACATCTTTCAAGC 706
Qy 1289 CTGGGGTGTACACCGTGTCACTCTCTTCCTGGACTGGATC 1329
Db 707 CTCCCGTGGCCACCGCTGTGGGGCTTACGTGTCTGGATC 747

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